

SEQUENCE LISTING



<110> Horrigan, Stephen

<120> Cancer Gene Determination and Therapeutic Screening Using Signature Gene Sets

<130> 689290-73

<150> US/60/236,033

<151> 2000-09-28

<150> US/60/236,032

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<150> US/60/236,028

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<160> 583

<170> PatentIn version 3.0

<210> 1

<211> 521

<212> DNA

<213> Homo sapiens

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<222> (1)...(521)

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ttaaaaagcc cattttgtga aagaaaccag aaggctcgta attgctgtct gcaactgtgg 240
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gatatgactg ctttcctttc atttctcatt aaattaaaat tcccacaaaa gtgcatggca 420
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<211> 481

<212> DNA

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tccttgggaa	tcatactaagt	tacaatacag	aagagaatta	aataaatcgt	atatgatttt	240
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gcatatattt	aaaaccatta	atttttttta	aaaaaatttg	agacatgggt	tggtcttggt	360
ctctaaatta	tggttcccca	tttcccttga	atgttctcta	ttggccatct	tctggaacat	420
taaaaaaaaa	tcttgaaaca	aattctcttg	caatgatacg	tatcacataa	acttgatatg	480
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gtcacaaaaa	tcacaacatt	ctgaaatatt	ttgggtattg	taatgatgtt	gatcgggggt	300
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tcgtggctgc	tcacagggtc	gcacctgcca	ggacctaatg	ttcttaggtc	cctctggcca	1020
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ccggctagat gagtgtcaga tgtacctggc acacgagcag gcgccccgaa gcgccaccgc      180
ttcatcactg agaaggcggt cttctccgcg tgggccaaga agaggcccat cgtgttcgcc      240
catccgtcct ggaggactga gtagcttcgc tcgtcctgcc agccgccatg ccgttgccag      300
gctccggga tgtcccatcc caagccatca cactccacaa aaacatttaa tttatgggat      360
cctgcctcct gccacgtgct ggggtgganc ttaaggttcc ttcccacccc attgtgggcg      420
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cancca                                         486
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 <212> DNA
 <213> Homo sapiens

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catcaactat gactcagaaa cctatgatgc caccttagaa gacctggata atttgtacaa      180
ctatgaaaac atacctgttg ataaagttag gattgaaata gccacagtaa tgccttcagg      240
gaacagagag ctctcactc cccccaca gcctgagaag gccaggaag aggaagagga      300
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ggttctgggg ccacacacaa atgaagactt tccaacctgt ctttgggtga cttgtataag      420
taccaccgtg tactgtgatg accatgaact tgatgctatt cctccgctgc caaagaacac      480
cgcttatttc tattcccgtc ttaacagaat taaaaagatc aacaaaaatg actttgcaag      540
cctaagtgat ttaaaaagga ttgatctgac atcaaattta atatctgaga ttgatgaaga      600
tgcattccga aaactgcctc aacttcgaga gcttgctctg cgtgacaaca aaataaggca      660
gctcccagaa ttgccaacca cttcgacatt tattgatatt agcaacaata gacttggaaag      720
gaaagggata aagcaagaag catttaaaga catgtatgat ctccatcatc tgtacctcac      780
tgataacaac ttggaccaca tccctctgcc actcccagaa aatctacgag cccttcacct      840
ccagaataac aacattctgg aaatgcacga agatacgttc tgcaatggta aaaatttgac      900
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aacaaaactc agcatgatac tttgagattg tgttctgaga gatgatatga ctacataaaa     1140
tacaattaaa aatgtttataa tataatgaaa atgtagtaat ttaagaaaac accagatgag     1200
ttaggaataa acctataaca tttacaaaaa gagcaaaact aagtgataga aaatatttca     1260
cacatgttct tatagatcat gtatcacttg caagttttag gagttcatat cctatatcat     1320
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 <213> Homo sapiens

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cgtgcttcat ccttttattg aagaacagaa aattatgact actctacaag gtggataata	180
ttttggtacc tgtggctggc cacagccctg ttctctaaag ctgaattgat agatttctct	240
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 <212> DNA
 <213> Homo sapiens

<220>
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agactctata agataaccaa ttgattttct actactccca aatttttaact ttgtaattta	180
aagaggaata ggcaaataga gctgctgtgg ttctggttct ccctgcagga tgaagggggc	240
ctgcaaaatg tctctactt ccattctagg tcattcagca aggtgccttc ctctggatgc	300
actgtctgta tacttttgcc atgttgcatc acataatgga ttctggccca ccttacacca	360
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 <213> Homo sapiens

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gtgcacaccg	cacctgtgga	ggacctgggt	acactcagga	gaccaagagc	actggcgggt	300
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ccctcctgc	c					371

<210> 10
 <211> 419
 <212> DNA
 <213> Homo sapiens

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	ccacatgcag	gcggtagtgt	gggcctcggc	agcgctcttc	tggggtgccg	ggggtccctg	180
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	tgggaagatct	gagatggagg	attctggctc	aggagtctca	gggagtgcac	ctgaaggagg	300
	gtgatattga	gggcccggtc	aatgaggatc	cagggtgacag	tctcggagca	gggcgggggtg	360
	ctgagagagc	cctgataggt	gatgaaaccg	aagattcagg	gaacaggagc	tccaggctc	419

<210> 11
 <211> 270
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 <213> Homo sapiens

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	tttacaaata	accagggggc	aggtgtgccg	tgatcgggaa	tcgtgaggga	actgagtacc	180
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 <212> DNA
 <213> Homo sapiens

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	aggtagcacg	ccaacagaac	aagagactcc	gatgacgcca	gcttcaatga	tgggtgccatc	180
	cagagagggg	gaggggtcatg	gcacattcaa	ccgcggcttc	cagaggtttt	gaaaaaggag	240
	cctttggggg	cccag					255

<210> 13
 <211> 358
 <212> DNA
 <213> Homo sapiens

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attatatgaa tactacaagc atccaacaag aaataacctt cataaattag cataatztat	120
agcaggaaac ccaaataaac taaacttggc tgcctaaaat aatttgtcta aagggggata	180
tgctctttgt aagtatcatg ctgataaaac cataaaaatt cttttagagg aatgaggatt	240
aaaatgaaat ttctttatga cacggaaaaa aataataatt tgtctaaaag tgtaaaattt	300
taaaagcaaa cattatacac ataaccagca caattatttc catcttaaaa cattgggt	358

<210> 14

<211> 266

<212> DNA

<213> Homo sapiens

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ggcatgtgca cattttccta gaaggacatg aatagtgatg tggaggtagc gtggaggtaga	120
ggcatctaca gggtcattcg aggaggaaca gattcaagct ttcggacgat cagtgttttg	180
taaatagcag catcatcaga tctaagacaa cattggacct ggcagggcct tttctttggg	240
tggcattaat tactccagat tcagac	266

<210> 15

<211> 287

<212> DNA

<213> Homo sapiens

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atattcttaa gagtagcgat caggagtTTta acaacaaatg taaagtgggt ttctctaaag	180
aatgctttct gacaggcttt tgggttgga atggacaggt aaatcactgt cacataacag	240
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<210> 16

<211> 291

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<213> Homo sapiens

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accacgtcct tcccctgctc ccagggtggag taggggcctc acgactgcct cgatatccac	180
tgtcttggag cagcctggct accccgagat cccagggtgac ctcaaggctg cctgcacttc	240
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<210> 17

<211> 413

<212> DNA

<213> Homo sapiens

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<223> n=a,t,g or c

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atcagaaaca ccgaggaggc ttaactcacc ttttaattga gaatgtggga aggaaagaga 180
gtaaacacat taacttttagt agcagaagtg ctgctaaaag aaatacgtga aaggaaatgt 240
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ctggtaagta gtgtcttaag ggccaaaaat ggtagcttct tggtttataa aacctaattgg 360
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<210> 18

<211> 293

<212> DNA

<213> Homo sapiens

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ttttacacac atatttaggc aacagaatgt ataaatctac cgcaatacag aggacacact 180
atccagaaaa gaatgaacaa agaacaggct gttgcaaaaa tatttagtcc ctttacacat 240
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<210> 19

<211> 400

<212> DNA

<213> Homo sapiens

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<210> 20

<211> 149

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<210> 22
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 <212> DNA
 <213> Homo sapiens

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 <223> n=a,t,g or c

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	ttacttgata	tttgtgataa	gactaagatt	tcttaaaagt	ctgcacatca	atatattacc	180
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	gccagtgtctg	ctgtgccctg	cagcctgggn	aggatgggag	tcggatgctg	gggcctcatg	360
	nccacttagg	gccataaaca	tactcaagac	tctacagccc	tttcaccagc	aaagtatgnc	420
	ctgaggggaa	ccactgggtg	ttgggagttg	aaggcacaca	aagcaggggc	taaagggcaa	480
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 <212> DNA
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<220>
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 <223> n=a,t,g or c

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gagcctcagg	natagcactg	gaccagccca	gggcgcttgt	ggcagacggg	agggnggatg	420
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<210> 24
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	ttattttacia	ttaaggaaac	caaggatcgg	aaatgtttta	ctttatttat	aaattgcccc	180
	acgtggagaa	tagcaaagcc	aggattcaaa	cctgggnagt	ctggctccag	gntttacact	240
	ccaaatcacc	atcctatgct	gcagtctatt	ttattttatt	tttttagaca	gggtctcgct	300
	ctgttgccca	gggtngagta	ccagtgatcc	ctncc			335

<210> 25
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 25	tttttttttt	ttttcattca	acaagtgttt	attgagcatc	tactacatgc	cagacactat	60
	tctagaaacc	tgggaaagga	gggggttagg	tagcttggag	ctgtcccagc	tgtagctctg	120
	tctcccagaa	gtgaggtctg	caggggaaca	gggtctgggg	gtcctcctgc	ctgggagagg	180
	gaaggctgag	tgtataaaaa	ggtggaagcc	tctagaaatg	agaaggctgg	gtgtgtggga	240
	ctcatgctgg	tgctttccca	gacgaaggag	agggcccaga	ggaggcagct	tcttgagca	300
	gagacggcag	caggagcgcc	cgtgcccggc	atcacctcct	cttcagcacg	gatatgcagg	360
	acttcttgag	gggcccgatc	t				381

<210> 26
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 26	tttttttttt	tttttttttt	ggtggtttga	aataatcttt	attttgtaaa	catctgtgtt	60
	taaaatagat	gaaccctgct	cacaattcat	atatggaccc	gagacacagt	acacgaagtt	120
	caccgcgtcac	aggagatag	tggaggctca	ggagcaggtg	gcgtgcctgg	ggctggatgg	180
	agtctcaaga	cagcaggtgc	agaggtggtg	acgagtaaac	aggccagcag	aacctgctta	240

acagtctggg	cctcaagaca	taccccaggc	cacccaaaagt	ttaggggtgag	cgtactgcac	300
cctaaaatcc	caattctcct	tctgctccca	taccttttcc	cagtcatggc	ccttgtggat	360
agggcctatc	agtctataga	atcctgattc	catgttttcc	cttccagaac	ccctagggta	420
cagtacaaat	atagtccttc	tttcttgagg	ggggctagga	gag		463

<210> 27
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n=a,t,g or c

<400> 27	caggtggagg	tgagtttaat	ggcggnagct	cacagccctt	tcccctgggg	ccaactcccc	60
	acaacagagc	agggctgggc	agcagaagac	gttaaaaccc	aaatcccgac	agaggcacag	120
	acctgcacat	gcgccacacc	cacacacata	ctcaggggac	tgacaggaca	catgggacac	180
	agacccgccc	tgctgtgnc	agagtctgt	ccaaggcaat	ggcgtaggct	gcgctcagtt	240
	catccgagtc	cctccccagc	tacttggtcc	aggccaaggg	atgggagagg	ctttgagtct	300
	agaccttgta	cagcgtctgc	agcagactgt	ggcgggcgaa	ggagcaggat	tccagggcgc	360
	tgttgggctt	ggtcacgaac	gccagcagca	ggggtgcaag	ggccttgggg	aaatagtcct	420
	gctgcaccat	gtggttcagc	gccatcaggg	ggcc			454

<210> 28
 <211> 329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(329)
 <223> n=a,t,g or c

<400> 28	tttttttggg	atgcagcact	ttctttattg	cccatccagg	gaacagccaa	gccagctcca	60
	tctgcattct	ggctgcagcg	tgtacattag	gggactcagg	ggccacagtg	tgggaccgtg	120
	cacactggca	aggcactggc	ggatntgggc	aggccagttg	gacatggata	gatgagaatg	180
	acaactcaca	gatgtcctag	cttctgctgg	cccagctgcc	ancactgnca	tcacctttt	240
	gccagcatg	tgtgcattgt	cacccaaaac	atcttgaaac	ttgccattag	tgaggcattc	300
	aacaaagaag	taagctaagt	gagtaggaa				329

<210> 29
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 29	tttttttttt	tgagctggag	ttttgctctt	gttgccaggc	tcctgagcag	ctgggactac	60
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aggcattgcac	caccatgcct	ggctaacttt	gtatttccag	tagggtttct	ccatgttggt	120
caggctgatc	ccgaactccc	gacctcaggt	gatccgcctg	cctcagcctc	tgggattata	180
ggcgtgcaact	tgcgcccagc	ctccagtttt	cttttcttta	gagcagcggg	tttaaactcc	240
tttggttcca	agttctctga	aaatttacta	tgctctccac	aacaagagct	cccattttcc	300
acagacacag	tcaatgtcag	tcagcttgta	ttcaggagga	cagggcagag	ggatcccagt	360
ggcacttccc	atgggaagac	agaagagagt	gggcccaga	gatggaagga	ccccagtgtc	420
atcacca						427

<210> 30

<211> 426

<212> DNA

<213> Homo sapiens

<400> 30	tttgcattcca	gttgacaaga	catttaaggt	gtttatcagg	atcatgccct	ggccccagct	60
	tcccaatacc	agctgttgaa	aagattctct	ctcatctgga	gagaactgga	gtgcacagtt	120
	caccacagtg	gctccgggtt	attagttact	gtgggctggt	cttggtcaga	ggcatctgca	180
	gctggagtca	cagctggact	tgagtggtac	gtggcagtg	ctggggaggc	ctgggatggt	240
	cttgaggggg	gatcgcttgc	tgagacagac	tggaaatact	gcacagtcca	ggcgatcaat	300
	atggatagca	gaaaggttcc	cagaaagtag	atcagggtctg	agtgcaggat	agcaccacag	360
	agaagccgca	agtgcaggta	aagccaggcc	aaggagcagg	ggctgaagga	ctcctcgtaa	420
	ctgtga						426

<210> 31

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31	ttttgggcca	cactgagtga	attttaatgc	aggatggaag	cacacagatg	ggtgatcagg	60
	tctctcttta	ctgaaacaca	gaacatgtgc	caaggtagag	ccaaggacac	ctctgggaac	120
	aggtgaagcc	cctccccaca	catacactcc	ggtggatgtg	agcgagggtc	ctgttgccac	180
	atctgggggtc	aggggcttgg	acatgctgcc	cttcatggga	accttctggg	tacctctcag	240
	cacagtaacg	cagctgcagt	ctgtcggttg	ggggccaggc	taggggcagc	acctcttttt	300
	ggcatacggg	acatgcctgg	ctgcagctga	tgtccgttag	cctctcctga	cacgcagtaa	360
	ggagacctgg	aagtgaggcg	cgtgggcgtg	gagttcccg	tggagcttgc	tgcacagcc	420
	tttcttgcca	ctctgggggtc	agtgaagtct	ttcccg			456

<210> 32

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32	aattttaaag	tgtggtttta	ttaatgcact	tcagggttaag	tgccagtctt	attttagctt	60
	cttctggaag	aaatactacc	aattataaat	aatcacagca	acattttcat	tagacaaaaa	120
	ctgtgtgtgt	gggtgtggta	ggggggtatc	atztatagca	tactgcaa	ataaactcaa	180
	ttcttgagct	atattaacaa	cactgagcaa	caatatttct	ttctaaaatt	ttcttttctt	240
	taaggcagat	ctgtttatta	ctaacatggt	gcagtgtagt	tttagtaa	ttactatttt	300
	agtttctcag	tgacaataac	acagatggtc	agaaaacagg	caacaaaatc	tcttttctag	360
	ttcctctacc	tggccacat	ttaaaa				386

<210> 33
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 33	agaattcgtt	gtgcatttat	ttaaaattta	tttgttcata	gctatacata	tattatacat	60
	gtataacctgc	tcacagcata	aagtattttca	tgacatactt	gtaagagtca	gtgttctatg	120
	aattcactag	agaagttaca	gcattttgat	tatgatacac	gaaaagaaac	ccaagtcatt	180
	tagcttaact	ccttaatttc	ataaaccaga	aaactaaaat	ccaagataga	ttgggtgact	240

<210> 34
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 34	tttttttttt	gaacactcac	ttcaatttat	tgcatatatt	ctaaatgcac	ctctctctct	60
	cttctgaaag	agagaacatt	tcatcagaaa	acgaacgggg	tcttttgcct	atctgatggg	120
	ctcacacctt	cacaacagct	acaaatcctt	ggaccagcca	gggacagacc	aactccaggg	180
	ttctctgaca	acagaagtcc	tggaaagggt	ctgcactcaa	aacaaacccc	tacaccaccc	240
	caagggaggg	ggattgtttc	aggttcgggg	agacgctaaa	agaaattgaa	cctaaactct	300
	tcatcaggca	tgtccagagt	ggctttgggt	ctccatatag	agcgaggcct	gcagaccctt	360
	tggctcttct	ttctgggtggc	tccatctaca	ggttgcacct	gggctgaata	agcagcagct	420
	ctgagag						427

<210> 35
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 35	gttgtgtttt	tctcagtgga	tcagcttatt	taattgatga	ctgtacagtt	aattcatgct	60
	caaaaatcaa	acattctaag	cttcttttcta	tgaatatctt	ccagaccaag	attattcatc	120
	tcatgggtttt	aaaggacaga	atttcctgga	gaatgttggt	cctctttag	gtgctactgc	180
	agcaaagtgtg	aaacaatcat	acgtcagacc	aaaatacaag	tcagttcttc	agttttcact	240
	aattaaaatt	aactctgtct	aaataaatca	actcttacca	ccttcaggat	tcatatctca	300
	agtaagagac	attcttactg	accaataaca	caaaatatcc	caccctcagc	actaggatcc	360
	tcagttttga	attctttcaa	ccatttttgt	caaaagcctt	gctgtagcca	ggtgtgggtg	420
	cacattcctg	taatctcagc	tactcgggag	gctgaggagg	gcagatccat	tgtccc	476

<210> 36
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 36	aataggttac	ttgcaattgt	tattgcaggc	aacaacttgt	acatgatttt	atttccaaat	60
	ccacaaaaaa	caaattttat	acaaatcagc	actgtaaaaa	tgtcaattac	agccccagag	120
	gctttgctgg	cagaataatt	gtctaaattc	tagaatatgg	gaaacagggt	tttttctgga	180

ttcatctttt	tttttcattt	tttttttttt	acaaaaaaaa	tttacaagtg	aaatgttact	240
acaaaacttt	ttataaggaa	tttttgcaaa	acattttacat	tttaccatca	actatctctg	300
ttttaaaatc	attatgtaga	tttaataccc	tatgctgcac	atcaatttat	gtgggatgac	360
aacttagtga	catgcataaa	aaaacaccac	aaggcattaa	aatggagact	taaatacaaa	420
tattgttg						428

<210> 37
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 37						
tgctctactt	ttaaagatat	ttaatgatgt	ttttcaaatc	agtacaaaaa	tttaaataca	60
aaaatgattt	gctattgaca	agtctcaaat	ctgtcatggg	aactcaaaca	agttaccagt	120
ctgttcaccg	ttcattgtat	tctataaaat	atttgataac	agtcacccac	tacagacatt	180
cttttccct	gtg					193

<210> 38
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 38						
ttattttgcc	agtgcagaaa	cgtttaatag	aaataaaaag	gtctgcatag	agccgaggcc	60
ggagccaccc	ctctgccgca	catccagtac	agagaggatt	ctataaagtt	cacacttttt	120
cattaagtag	tagtagaaat	acggtgaggc	cctgagactg	gcctggtgag	cgaggaaagg	180
ccgctggggc	gttccactct	gcaggccggg	gctgaaataa	cccgagttcc	gttctcacag	240
aaaggtgcgg	ctgccacctc	ttgacacaga	ggccggatgg	gcaggtgtcc	tcgatggcca	300
ggcgtatca	gggtacaacc	gcagcagtg	aaggggcttc	ctcaaggaca	aatggctaaa	360
aatgtcacgg	tgaaaatgtc	atcccccagg	agttcgttct	ccctagacct	gtggggggca	420
c						421

<210> 39
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 39						
tttttgaggt	ttggttttgt	ttactgcgac	atacacatga	aatcgagtat	acagtccatg	60
cagtagcaca	gccattcgag	aggacatcct	gatgctggct	ccagtgcaaa	acagtcccag	120
caacgccgcc	tgcttgccat	cgctgccgcc	gccactgaca	ccttcacat	ggccacctag	180
cctgacttga	agaggaggat	tgcaacttga	cccaagtaaa	aatagatgaa	gtgctttgtc	240
tcgtgtgtga	cgtagctgcc	aaaatttcgg	cccacgatac	aatgccaggt	agggttatat	300
ttcttgtcaa	attccttctt	gatataggca	gcaatgtcct	tctctatatt	gtacttctcc	360
atggcctgcg	tggcgcagtc	aacggcatcc	tgttgcatgt	cctcagacat	gtctgcgttc	420
ttgatcactg	ccttcgggtc	agacatggtg	tgacactaca	gaaggagcag	agaggttaagg	480
ctgacaactc	cttgctctgg	gcagtgaaca	ttagctgctg	ggtgtggggt		530

<210> 40
 <211> 418
 <212> DNA

<213> Homo sapiens

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<400> 40
tttttcctaaa atattttttta ttagaaatat agcttttagta acaaataacc atttgatagt    60
tacataaaca tataacagat atgctctaca tgtgtaattt aagtacatta atatgagcat    120
tcttttatggg tatacatcat ataaaaataa atcattttca tactttttta aatgttggca    180
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg    240
gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa    300
ggctgcctta gtcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac    360
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattgtt    418
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<210> 41

<211> 257

<212> DNA

<213> Homo sapiens

```
<400> 41
ttttttttttt tttttttttt ttttttcagc aacctcggtc gtattttattg atacaaggaa    60
gatcacccga gagtcagggg cgtggcgggc agggggccctg gaaatctcca gataccaaag    120
ctggaagggc gtggagtctt ctccagttct cctagtttac agatgttgtg acctaggctt    180
acaatggggc tggggtctga aagcgggacg tgggctgcgg ggggtcaaaga gccggtttgg    240
tggagggtcag cgccaca                                     257
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<210> 42

<211> 510

<212> DNA

<213> Homo sapiens

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<400> 42
tccagaaatg cttttccttt tatttcagaa gaaaggacat aaaggcagac acttcccccg    60
cccgtcctcc accctccca gctcctgcct caccagaaac tggagtgaag ggccagggcc    120
aggaccaggg tcccataaag cttgcccttc cccaaccctt tccttccttc aaagtggcaa    180
ggttagaaaa aaattaacta tgttggttct cctggcact ggataaaggc cccactgcag    240
ccaaggagaa agaggggggt ccaggctccc ctcccaggca gagaagctgc cgtggctggc    300
tagggggagg gtggaggtag gttatgggac agagaggaca agaagtgcc tgaacacctt    360
ttccctttta cctgacatat ttatatattt acagttatta gggagggaag gacatctggg    420
gtgacatcag ttctgcaaag gcagggaata aaagccaaat agcaccacca tctgggtcac    480
attttcctgc ctctagctt ctaaaacctt                                     510
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<210> 43

<211> 392

<212> DNA

<213> Homo sapiens

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<400> 43
tggagcccgg gaagagaaga accaaagatg atacctggaa agcagatgac ctcaaaaaac    60
atctctgggc catacagtca ggtggttcca aggaagaaag aaagcacaga gagaagaagc    120
tgcgtaagga gtctgagatg gaccttcttg aacataagga gccgaggtgc agggatcccg    180
accaggatgc caggagcaga gacaggggtg ccgaagtcca caccgctaag gagagtcctc    240
gtggggagag ggacagagac agacagaggg agaggagaag agacgcaaaa gaccgggaga    300
aagaaaagct gaaggagaga catcgagagg cagaaaagtc tcacagcaga ggaaaggaca    360
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gggagaaaga aaaagacaga agggcccgga ag 392

<210> 44

<211> 394

<212> DNA

<213> Homo sapiens

<400> 44
ttttattttc tttgttatac gtctatttat taatgaaaaa gtatcaccaa catccattta 60
aaaataagca aaagacatta ataaacattc ttccaaagag gatatacagg tggcaactag 120
atacaagatg ttcaaagtgt caataccata aaataccaga aaaatgcaat aaaatcacag 180
acagatgcta ttatacagct attaaaacaa ctaaaattaa aaagactaac cataccaagt 240
atggcaagaa tgtagagaaa taagaagggt cacatactgt tgatgagaat gcaaattgga 300
cagttagggt atagtctggc cttgtcttta aaagtgcgc attcacgtac actgtactac 360
tgaccaggga gaaataaagc atttctgcat atta 394

<210> 45

<211> 340

<212> DNA

<213> Homo sapiens

<400> 45
ttttgcagct tccactcttt atttccaaag aatcagtgct acacatgcag atcacaaagc 60
gggtctccct gtgctgcttc cttctgtgtt ttctagtctc tccccagggt gctgccagg 120
gccctcagga actgagtgtg ggcaagacac tgctgggcca gagggcacga cgcccacgtg 180
ggcccgattt gccaggcca tttggcagtg cagagcccc ccagcctcca gcaggagccc 240
cctggcatga gctctccct caggggtcct gagcaacgtc cctgccagggt ctggtgggtg 300
gcagcggggg ggcagacacc tcgctgaggt cctgcagcag 340

<210> 46

<211> 418

<212> DNA

<213> Homo sapiens

<400> 46
acaaagcagc accttggttt actgagggtg gaaaatagga agtccgctcc ctgcctcacc 60
cctcttaagc atcaaagctc agacgtcagc gggacttgaa gagtctcagc ctgggcagtg 120
cagtcacaac acctgggttt ccagccgccg gaggttcctg accacaagat caatgttaat 180
aattgggtta aagtacagggt ccagtaaaa caaacagttg caaacaact gagggatgag 240
gggccagaac atggccacaa aaagcccctg cgttgatact ttccagaaat ggctccacat 300
cctctgaggc acggtcttca gttcacttct cgaccagatt ctccaaaagg agaataattc 360
cagaactgag agtaacatag cattgatgat gagaaaccgt gatgtccagt aatggacc 418

<210> 47

<211> 453

<212> DNA

<213> Homo sapiens

<400> 47
tttaaaaata tcttaacacc ttacttaga tctcatctca tacttgtagc atttcttcaa 60
atttactttg aaaaaagagc ttactgtgt gtggtgtgta tacacattct tctacccaac 120
catggacctc tttcttctc tcaggcgcac ttcattctaat ttttttagca ctggcctggc 180

ctttttggag	gaggtggagt	agctcttcag	aaaggcttca	aacacagttt	cagtgttggg	240
atgggtactg	aggaaggcct	tctccaggac	atagaggtct	actcccttat	cctctggaag	300
tgctgaaatg	aaactcagcc	caaagtctat	gagcacaatg	ttcagctgtt	ccaggggggg	360
tttcaggagc	atgttggagg	tggtgagatc	accatgaatg	aggtcttcat	cgtgcattcg	420
agccaaaacc	tgcccaattg	tcttggctaa	gtt			453

<210> 48

<211> 411

<212> DNA

<213> Homo sapiens

<400> 48	tttttttttt	ttttagtagta	aatggccaga	tgtttattat	tttgttacat	60
	tatttccatt	gcatattcca	catctattta	ttttcacttt	tatttattat	120
	cacaaaggta	caaggaattt	cagaaacaac	attaaaacaa	tcattcaaac	180
	acggtttcaa	ttaaaagcat	agatttgatt	tctgacttcc	tgtttccttc	240
	tctcaagttt	tgtttcagga	agcacaatta	ttgtagcggt	aagggtggata	300
	ctcatctcct	agtgtctgtc	tcattctcag	aaagttcctg	agtcaacaga	360
	ccagggtatg	gaataaggag	atgagagcat	gctctgccaa	ctggctggga c	411

<210> 49

<211> 269

<212> DNA

<213> Homo sapiens

<400> 49	tttttttttt	tccagagaga	ttaatacaca	gattaatata	caaaactttt	gtaaatagca	60
	ttccagttca	aagttgcttg	tgatcatagc	cacgtgtgaa	ccgttagaca	agtgtatgct	120
	atgccccaaa	atgttttata	attcttcagt	gcagtttctt	actgatgttt	cccttaaaat	180
	taaggcttaa	tgaaagagaa	atccatagta	ttatgaactg	attttcttta	gcttctgaat	240
	taagtgcact	ctttccaaaa	tcaagtgg				269

<210> 50

<211> 174

<212> DNA

<213> Homo sapiens

<400> 50	tttttttttt	ttttttccacc	atttgggacg	tctttattat	ggatccgtcc	60	
	actcttccag	gagcagtagc	ccttctaaga	aaggggtggg	aagaaaacca	gcctaccctt	120
	caagctgact	taggatgcaa	tggtacagac	accagccttg	ggggagggtt	ctcc	174

<210> 51

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n=a,t,g or c

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<400> 51
gatcagcagc cgagaaaagt acatcaacaa tcagcttgag aatttggttc aagaatatcg      60
tgcagctcaa gccagctga gtgaggcaaa gnagcgatac cagcaggga atggaggngt      120
gacggaaaga accagactcc tctctgaggt tnnggaagaa ttagaaaagg taaaacaaga      180
aatggaagaa aagggcgagca gcatgactga tgggtgctcct ttggtgaaga ttaancnnng      240
cttnncanaa ctgaagcaag aanctgtagn gatggacatt aganttggca ttgtgg      296

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<210> 52
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(409)
<223> n=a,t,g or c

```

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<400> 52
cagcaactgg tnactgttta tagaaatggg gaaaggggaa attaatatatt gtttaaaatg      60
ctttgagttg cctgatagac atccaagggg agcagtcagt ttctaagcaa aagactgcgc      120
ttttgtggac agtcctgtgg cagaggattg gaatttgga gccattggca tgtaggtggc      180
atttaaatta tgtgactagg tgaggaggga agggttgtta cctaggaggat ggacattgat      240
ggagaagact agtgactaag ttctgaggca agaccctcca gcgtgtagat ggcaagcaga      300
gcaggaagcc atttatgact gaggaaggag accactgatg gccaggggag cngaaaccng      360
gggccatgta attgtcacca aaattaaggt agcatgcatn gggttttnt      409

```

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<210> 53
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<400> 53
tttttgcaca atacttacga ttttaaaaaa ttacatgatg gcttcttttt catcatttaa      60
gaagtgaaca aaaagtactg gtcaactttt aaaatatgag tggatatgaac acaatgcagg      120
aaagagacta aagttgaaga atttcttttc atcaggccac ccaagtattg caaaccagaa      180
aaaaatttta atataaactg ttgcaatcct tacatcttta tgcaatttat ttggaaaagt      240
caaataattc cattacaaat atatttggtta aaaaccttat aaatttaact tataaattcc      300
aaattagtca attatattat ttcagagtct ga      332

```

```

<210> 54
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n=a,t,g or c

```

```

<400> 54
tttgttactt ttacatgatc tttattatth aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccaggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tgggtgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtthaag 360
tttcccncc agaacccttc ctttaaggg cctta 395

```

```

<210> 55
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(271)
<223> n=a,t,g or c

```

```

<400> 55
aatacacttc tttgttatac caccgacaaa ttttctaate ctagtacagg ccacaatgaa 60
ataggccaaa catgctacca tttaaagttt tgggatgag attgtagtaa gtttactcaa 120
agtattcaag ttctaatttt taagggtctg tagagaaaca taaaagattt cactgtatcn 180
aaaaatatga ctgttttgat ctttaagctat acattttatt tttatctaac tgattaagac 240
ctggcctctt aatgaggcac atttttgggc a 271

```

```

<210> 56
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n=a,t,g or c

```

```

<400> 56
ggatatctta cttttattaa tgttggtat caccgttaat taatttaaaa tgggaaaata 60
attcaagttg ttagttgaaa gaattagaca ccagtgtttt ggtatatctaa cttttattaa 120
tgttggttat caccgttaat taatttaaaa ttgtggttta ttaatattht aagttactct 180
catattatat tttattaatt ttttcttatt taaaaagctt gtctctgcc a ttcctgtgt 240
gacctgggca agtcatttta cctctaagag cctcaaattt cctcatctat aaagtggaaa 300
tataaataca aagcttgtag aaatgtcagg aaaataaata aattaaatgc caaatagtca 360
atgagggata ttaggcaaag gccagttttg gtgggcattt taacctatgg agactcagtg 420
cctctgtgtg tccattatc acctccaaga catcctggca acaccaccgc tg 472

```

```

<210> 57
<211> 501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

<222> (1)...(501)
<223> n=a,t,g or c

<400> 57
gactttgttt aacctataac cttttttcct cccacatagt aggtagtaac atcacacgga      60
aacagtgtct tgaagacatt ctggacacat cgtatacagc acagccattc aaatcaacgg      120
caacagaacg cacgaagaac ctgggttttct ttcaaagcat gagcagttct cattttacaa      180
catgtgtttt aacataattc agaaagtgca atctttgcat gacaaccaga taattctcaa      240
aggttactag tgagctgata aaattaacgt ttggcaagga ggtcatgggt tacaggtagg      300
ctgtccgctc accaatgtct agaaaaattc agcagaacat acttttcata tttagatccg      360
aagagaggtg agagacattc tactcaaagt catgggctgg gctttctgtc ctccaaacga      420
aattgggcag gncatttgcg tggtttcctc tgggataaag ttccccttat ttaatcantg      480
gtgcaaaaaa tctnngcat t                                     501

<210> 58
<211> 430
<212> DNA
<213> Homo sapiens

<400> 58
ttaaggttct tatccagctc ttttatttca cagatgggaa aataaggcac tgtccaagta      60
acacacagtg acagtggcaa agtcgtgctt gttcccagg tccctgacct cagacaaggg      120
tgttctctcc cattaaatgc ttttttctcc tcatcttget ccattttcct atcttgtggc      180
aagagattaa caatctaaat tccaatccta gttctgacac tgaccaatga aataaacatt      240
taggctgggt gtggtggctc acacctgtaa tcccatcaag gcaggaggat cacttgaggc      300
caggagttca acactagtgt gggctacaaa gcaagacccc cgtctctaca gaaaattttg      360
ggtgctgtgt acctatagtc ccagctactc tgtaggcgga agtgggagga tcgtttgagc      420
ccaggagttg                                     430

<210> 59
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(545)
<223> n=a,t,g or c

<400> 59
cagttcagca aatgtttatt gggcacctac aataggcaag gcacagtacc agctgctgtg      60
ggttacaaag acaagaaggc taggctcacc ctcgagaggc ttacagtcta atagagagag      120
acacactcac aggtaacaaa aatacaaggc aaaatgaggt gagctctatg gcagaggcaa      180
aaacaacggg agaacagcga gcagagatag atcagacata tctcagcaga tcagatgttg      240
gatgcaggga gtgacgtttc agccaggctc tgggaggtgg gtcggattcg cacaggtgaa      300
ctggaaaaaa gaggacacta aggcacaggc aaggtataga ggtgggaaag tgcaatgaat      360
gttcagagaa cagagatgcc tgccttgacc aatacatagg aggccaacag gataacagag      420

```

ggacctaagc	tggggaagtg	gtttcaggcc	agatggtgtg	atcgctcgta	gtaggatttc	480
nttccttcct	tccttccttc	ctttttttcc	aatgaaacaa	gccttgatct	acccccaggc	540
tgag						545

<210> 60
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 60						
aactttactc	ataaaatttt	atttgaacaa	aacaattttt	gaaaatataa	aaatttcata	60
agaactgctt	tcctgttaga	tacaaaattt	attttaaaaa	taaataatta	tattgacctt	120
taccatcact	tgtctaaatt	ttactcatgt	ttattgtcga	agacacagag	gtgaattaga	180
agagtatata	attatacatt	gtcaaataaa	gcgaagggtt	ccttatccaa	atagagagaa	240
tatatatgtg	attacttaat	ataaagcaaa	agctatttct	accaaagaac	agacatgcag	300
ttattg						306

<210> 61
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 61						
gcattatttt	aagatcttta	ttattaagta	actcactggg	gttgtcaaag	tatgttataa	60
aattacacag	ataattagag	atatatgtta	catagaaatg	ctgattttac	actctcttct	120
gagtacaagc	atttgattac	agaggctcat	agcacaacaa	aatg		164

<210> 62
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 62						
taatttgtat	aattttattag	aagcttctta	ggaactatat	ttaagccaaa	tatctacata	60
agttacaaca	gaaaaagact	gacgcgcgaa	ataccaaact	gccaaataat	atacacagat	120
ttgtcaatgc	ccataaaaaa	tgtgaagggc	tggggactgg	gagtggtttt	tctttttaca	180
acaaaatgta	cagattacta	aaaactaggc	atttagtcca	acttttgaca	gcgttttaca	240
gctacaagtt	cacattaaac	aaactatttc	gcggagggcg	gtcgcgctga	gcctaggcgg	300
ccagaggggtg	cggggaaggg	gcacttcctt	tgtgtcagtg	acaagtgggt	tatgttgaag	360
actctttcct	ctccccagct	cccggcctcc	cttcaaaaaa	aaaaaaaaaa		410

<210> 63
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n=a,t,g or c


```

<400> 63
cacggctcct gttttattgc cttegggtgt ceggagcacc tgactgcccc ggggtctaata 60
aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
gtcgggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
gcgccccaga gggagtggcg gagacaggac 270

```

```

<210> 64
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(322)
<223> n=a,t,g or c

```

```

<400> 64
tttttttttt tttttttttt tttttttggg tggggagtac ggantttatt ttattgttct 60
gcgtctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtccact 120
ccctaagtca tgggtccacg ggctnttgg gatttttttc cagggttcaa gtgactgag 180
aaagcttcac agttttaata ctctctagat gctcaactga ggcaaagtga caaaatggcc 240
ctccaccccc cgcccgccac aaaantaaaa tccaagccc ctggnagctg ctgctcagcc 300
cttatgaaaa aataatacaa ac 322

```

```

<210> 65
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(330)
<223> n=a,t,g or c

```

```

<400> 65
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggt ctcagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggcttgggtc ttccaaccgt cggagggtag 300
tcaggaaagg cancttgccg gacaagaagc 330

```

```

<210> 66
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(424)

```

<223> n=a,t,g or c

<400> 66
ttttttttt gcagtttaa actatacat tgttatctc tgytaattt ctgttaata
120 tttggacc tcagtgacc atgagtaaca caaaccaag aatgcgaac agtgataag
180 agaggagcta ctgtacatac ttccgcctaa gacagttctg tatattcttc tgrtaacggg
240 gtagcaaaag catatagaag ggtttggg gtagtcagt catgctctt ctgtaatgac
300 agtaattac tcaagacat tgcaggagaa ggggttaag gagtaaggg gaggaagaga
360 aggatcatt tcatgcctac ctgtacagag acaattctt gcttctact tttttttt
420 tttttttt tgagncgat tctcaccttg tgcctgggt ggagtgtag tggccanttc
424 tcgt

<210> 67
<211> 356
<212> DNA
<213> Homo sapiens

<400> 67
ttttttttt ttttttttag ctacgccagt tagttgttt atttgagtt ttgtttttt
60 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
120 aaaaaaagaa aagctttgag aaatgttat aaatatcagt aaaggcagg aacacacatg
180 gtagcttta caatagcaat ctaacatac acaaggcaa acatgagta aatgctagg
240 gaaagcggc acttggggg cctactgag ttctcctat tgcacataaa gttgtgtag
300 aagccaagt ctttaattt tcaagttat acttaatgt catattatat aagtttat
356 tatatacat actaatgt taatttata aaacacacag ttgtcactg ttgaat

<210> 68
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) .. (285)
<223> n=a,t,g or c

<400> 68
gttttcaac gtttatctc aagcataa aaaaaaagaa aatcaatta cttcaatag
60 aacagaaat ctgaaaaat aataagct aggcattgta gcagatgaa aggatctact
120 atcctgtat atttaatga caatgnccct gccaaatat atcacccgt gggttaaggg
180 ggtacacagg aaggcagaa ttgaattag ttgaaagct acattgttt tttcccaatt
240 tacattgct aagatcagc aacgggaag aacatcaatg cccc
285

<210> 69
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) .. (257)

<223> n=a,t,g or c

<400> 69
attttaagt ttatatga aaacacatg aataacggt gtatccatg tattgcaac
60 agcagagaaa gagttagagt ggaaccatcc cataggggac actatcct tggctaaact
120 aatataata atggaataa caccataac aataatacag cacataaag agatatact
180 aaganganag acaggaactg cggagaggag tcctgagtat gngngagatg cggctcatg
240 agaagcatcc aggtca
257

<210> 70

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) .. (129)

<223> n=a,t,g or c

<400> 70
tnacagtta acattatta aaacatgtca tacaagaag catgatcct tctataagaa
60 gaaatatla aacatlaa tcaatlaag taaaacatg ctgtacactg aagacagcaa
120 tatataaag
129

<210> 71

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<222> (1) .. (412)

<221> misc_feature

<223> n=a,t,g or c

<400> 71
tataacttaa aatcgttat tttaagga acttaata accaatgga atgaaaaaac
60 agccccaact gccatgaaca gccccaactg ttcgatatc attcgggag gcgggggtcca
120 caagagctc tcttgctta aaggagccc agcttggnca ngatcagtg ttaaggaacac
180 gtgagacaca aatgagcct ttcctcagtg ttaggtcaaa aatgaagc gcgcagggaag
240 ggtctcccc aggggaatc tggggtgtcc caangtcatc cggggccccc cagcgttcgg
300 gccatgctgt tctgtctcc agccctcatg gccgttgcaa ttggaacagcg tcaacttctc
360 cactcagtggt gttcgcaccc tgaccttgag gtnggggtga gggggacatt ga
412

<210> 72

<211> 211

<212> DNA

<213> Homo sapiens

<400> 72
tttgtcaaga gccaaagac agttaatga cgacatlgat tgcgcatct tacctcaaa
60 atatctgtcc ttatgactg ggtcctcta ataatgtac acatgtcat agaatgcaga
120

cgaggggac tcaacatgaa tatctgggtg tgattccag atgtgtgtg cttctctatt 180
gcaagcagat tccctgtcc ggatttactt c 211

<210> 73
<211> 247
<212> DNA
<213> Homo sapiens

<400> 73
cctggttcgt aaaaactcatt tatccaacaa agcagtlacaa gcctccctt caatcaggac 60
ctgcccagag ggtcgggcta ctcaagtgtc tcaagccaat ggagcctaga ggttttaata 120
ctttagtcca ctccctca tctctggccc catcgacaac atggggagg ggagtggagg 180
cctgtagaa ggtactaag gcccttatt tcgttcgctg gtagaactgg aagactgctt 240
tctcctg 247

<210> 74
<211> 414
<212> DNA
<213> Homo sapiens

<400> 74
aaatatagt aacagtttat taattttttt lttacagtg agatatgct atgggaagca 60
ggtgatatta ttgtttaag aaactgggat gccaaactaac acgtggagt cccaagact 120
ttgcaatctc catttgttag ttctgttaaa aaagggaacc cagctagagg attcaagagg 180
accttgatg acaagcgaca tactcgaaat ctgcagctct cctccggag ccagcgtgc 240
caggagacac gctgcagtaa ggcactaac aagctcctt gatataggg aaagaagaaa 300
tcaatccagg caacatgcaa gttcagtga agtcagacat ttatggga tttaagtct 360
tgccgttct cagtgcaccc cagtcaagta ctgacatgtc agcctcagaa accg 414

<210> 75
<211> 395
<212> DNA
<213> Homo sapiens

<400> 75
aatgtaccc agaagtcacat attaataac agtaagaatt tttttgtta ccttaagtg 60
taagttccct tccctctaca taacttaagt taattttgga gctaagcgaa ctgtgtcac 120
cactaataag gggcaagcca ggaacctag gagcacagag ccaagctctc aacaacacct 180
gtaactctg tgcattctt agaatactg ctgggtgccc cgcaacctga ccagggaatg 240
ggacatccac agtccccaac attctcca atccagggc agcagggaag catcccaat 300
cccaacctt tccatctgt tctccaggga gtccaagggg taggccggg acagcagctg 360
ctcaggcgg ccagctccc gtccttctc ctca 395

<210> 76
<211> 470
<212> DNA
<213> Homo sapiens

<400> 76
tggaaatcag agtgaatat ttatttaatt catatataa tttaacataa tattcatgtg 60
gctataata tagcacatt tttaaaagt ccagatacat ccaaaaata cccctcact 120
gtagcctact ccaatccct caagacgga tatctaacag tgtltgaaa acagggtcca 180

gaaaggccct gccattaat tttaaaact tctgaaccatc aagaaccatc ttccctgctt 240
 caaccaagca gagtcaacaa ggatcatgtg ttctcagggt tttaattgca ctagtgtatg 300
 aattaagtaa atgcctctgc ctgggtagt ttataggttt ggttctctct 360
 acttagttca agtcagagaa agaaaaacca atatctatat tccatttggc cttctttaa 420
 tccctatgag atggtcttaa aggatgtcac tgcaccagag gactcaactg 470

<210> 77
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) .. (553)
 <223> n=a,t,g or c

<400> 77
 agaaactgman ntttatca nacatttnc ttgattnaaa tacatcacgt acanngtcta 60
 catlgatba gaaagaatgac acagggggca gcaaacactc cgcataccag cctccantcc 120
 ctgacnctgn gangcagggc cgatcggltg gnanngnnm ngtngttcca tgagttcgm 180
 tcagaancct agncccgca ttcggggccc ctgctcttc cagagttccac atccaaggca 240
 acctgagcac aggccttgagg gagggtggag aaaggccagg aaaggatgcc cacactcttg 300
 cctgccaggc ccaggaccag ctctctcta cactnggacc caattcctt ctgatacaca 360
 gactgtgtct gatacaagac aatgtgga tctgtgttg agctgttggc aggtganga 420
 gccgggtccc ctgttagac cccaggctc tcttagcac nagatgggca ctttaacca 480
 aggtttgggt aaaaatgtct acngagagct atgcacaacc tgggtncct tctgggtccc 540
 taaagttcaa ggg 553

<210> 78
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) .. (476)
 <223> n=a,t,g or c

<400> 78
 agtatttca taattatat tgcataaat tatgatctgc atgctaagat gcaaacctac 60
 gtgatatact cttagacat aatgctatta agagcacatg cttataaaa taaaactgtt 120
 ctcattcata tcaggtgcag aaagccagtc ctgaaagcat agactatccc ttattctggc 180
 tgttatbaag gaaaaaatlc atttaaaaaa tacaagtbaag attgaaacca agtttaactgt 240
 tcttgaaaca gaataggaag aaaaatatlt aatggctga gctggtcat agactattac 300
 tcatctatct taaggcaga aactgtcaa cccaactag tgaacagag aagcatgat 360
 tgcctaagca ggcgacatta gagttagcc tctccaang gagcttccc gccgtcagc 420
 acgtggcaga caggatgcg gcccatcat cgcagggaa gaaccggccg ggcggg 476

<210> 79

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<211> 562 DNA Homo sapiens
<212>
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1) .. (562)
<223> n=a,t,g or c
<400> 79
tagaagaaaa gagaagttac ttattacaa ttgttatct catccgaggt tcagggtccc
60
ttgtctagtg ggaaaaaaaa cccttagga ctgagctcgy gaacagcacc tgtccataac
120
ccaactctc tgttagtgcc gattctctg attttagacc agtagctgct catttctctg
180
cctttacat ttaggagat caagctctgt cattcctct agctgcccct gaagtccgtc
240
cttcctcag gcccaactc cagtagagt gagtgcagcc acacagcagt aaccagatag
300
cttcctcacc cctgcagaca tgcacaaga aggatccag agagccaagy ctgtatcata
360
gattctcttg ggtcaagy ggcagtcagt atgtccgyc ccctcatcca gtggtaccag
420
agatccagc agtccctggg tggcagtcag caataaggcy gggccaccgy ttgggccaca
480
gtgagtgaca cagcaagag gagcccaggy gaggagcna cggacaagag cagntcaccc
540
agagctagtg ccagcagga cc
562

<211> 80 DNA Homo sapiens
<212>
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1) .. (580)
<223> n=a,t,g or c
<400> 80
tttttaaat aaatlttta ttaaatgac aggaagactc tggatatacaa cacattgct
60
aatataaca ctccaactgt taccatggcc tagacgtaca aaagcacacc catatctcat
120
caggagaaag acaatlttga gttctgggt gtagtaacca gtggttatga tcaaccagta
180
cgtggtctat ccagttaact gtgtggcaat ttgctattc aagtcctctc ataacagaaa
240
tactgaat atgtggaaca ccagtcataa taagaatc attttaaac agactagtga
300
atttgctca taacaacact tgcgtatgga tattagagga gcatgcttg aatatctcta
360
aaactattt taggaattaa aagcttcat agttaatggt atgatatggt ccttcagaat
420
tcatatgtat aaaagcaaac cttagtcatt taacaggaat gtttaattt tagagattct
480
aacatgcat gccgaaaaat cctaacatt ccactagta atgtcaggt tgtgccagtt
540
ctaattccc atagctagta acatcagaaa atatntatca
580

```

<221> misc_feature
<222> (1)..(268)
<223> n=a,t,g or c

<400> 81
catcctaagg ctggttatct ttacagatgc caagtttaca aaacatatcaa gtgacacagac
60
agtggtggga ggtagctcga aatatacaga gtgttcgcaa cactagagac gtcttcctggc
120
cgcatcagg ggactcggag gtaggttagg ctggttagg ccgtgntc gtgtccgtgg
180
cacagcctcc tgcgaagggg ctgccctgct cccctgtcca catggtggcca ggcggtgctc
240
cccaggctgc tccgggggtg ctgaagaa

<210> 82
<211> 567
<212> DNA
<213> Homo sapiens

<400> 82
tgratgttga ggtcctctt aattttaga gtaatatga cacaatggat agctttagaa
60
caagctbaaca ttactacagt tcaagcagt gtcaacttgta cagttcagta gtacataa
120
gactcaaca aatgtacgac agtcaagaa cttaaagtac aaatatagat caatataca
180
attaacacag agaagtaaaa accattgctc tcagatctg cacacttaaa aaaacataa
240
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300
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<211> 1488

<212> DNA

<213> Homo sapiens

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<210> 106

<211> 1955

<212> DNA

<213> Homo sapiens

<400> 106

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<210> 107
 <211> 512
 <212> DNA
 <213> Homo sapiens

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 <223> n=a,t,g or c

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 <212> DNA
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<220>
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<210> 109

<211> 1023

<212> DNA

<213> Homo sapiens

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	cgtaaagacc	aagtgccttg	aaatgacgat	tccacagttt	cagaatttct	acagacagtt	240
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<210> 110

<211> 422

<212> DNA

<213> Homo sapiens

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	ttgctgctga	gacttatgct	ggcagtggca	tctgacttag	agcgtggtg	agtccttttg	180
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	gagtggaaat	gtgcatgtct	gaagaatagg	ccccaagcaa	cagggcacac	tggagggaaa	360
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<210> 111

<211> 263

<212> DNA

<213> Homo sapiens

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atgatttccc accgagcgat tacgagaacc tcttccccca atagtagaca catctccaat    180
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aaaatcaaca atcttcaaac act                                           263
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<210> 112

<211> 461

<212> DNA

<213> Homo sapiens

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<210> 113

<211> 446

<212> DNA

<213> Homo sapiens

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<210> 114

<211> 6336

<212> DNA

<213> Homo sapiens

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<211> 2116

<212> DNA

<213> Homo sapiens

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 <211> 3233
 <212> DNA
 <213> Homo sapiens

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<211> 1195

<212> DNA

<213> Homo sapiens

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<210> 118

<211> 411

<212> DNA

<213> Homo sapiens

<220>

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<211> 2754

<212> DNA

<213> Homo sapiens

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<211> 2454

<212> DNA

<213> Homo sapiens

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<210> 121

<211> 922

<212> DNA

<213> Homo sapiens

<400> 121						
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ctcttctctc	gccgacagct	tttcttccc	tccatgagaa	agaagccagc	tctgtctgac	180
ggcagcaatc	ctgacggcga	tctcctccag	gaacactggc	tggttgagga	catgttcatt	240
tttgagaatg	tgggcttcac	caaggacgtg	ggcaacatca	agtttctggg	ctgcgcagac	300
tgtgaaattg	gaccaatttg	ctggcattgc	ctagatgaca	agaacagttt	ctatgtggcc	360
ttggaacgag	tttcccatga	gtaactgagg	ggaggggtac	tcagctccat	ctccaaagat	420
aaacctactc	cccacaagaa	ctggccttta	atgtggtata	actgttccgc	tgcttcttg	480
tctgtgtgct	aataataaata	ctgagtacca	gcatgtccat	ttgaacatgc	aaaggggttaa	540
tcctgcttcc	taaagcctca	agtacatgcc	tcctgcttag	ttcactttgt	atcacatttc	600
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tccttgcat	tctccctagg	ctctgttttg	cccagggctc	ccgctttttc	ttgctctaga	720
ggagcagtat	tcaacctttt	agctatgatg	acacataaca	aaagatgttt	atgtactaat	780
agttgaaatc	tgcttttttc	tcattcaaga	aggcatacaa	atatctgaga	gtgactttgt	840
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aacaaaaaaaa	aaaaaaaaaa	gg				922

<210> 122

<211> 1234

<212> DNA

<213> Homo sapiens

<400> 122						
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tggccaacgc	cctggccagc	gccacttgcg	agcgctgcaa	gggcggcttt	gcgcccgtg	180
agaagatcgt	gaacagtaat	ggggagctgt	accatgagca	gtgtttcgtg	tgcgctcagt	240
gcttcagca	gttccagaa	ggactcttct	atgagtttga	aggaagaaag	tactgtgaac	300
atgactttca	gatgctcttt	gccccttgct	gtcatcagtg	tggtgaattc	atcattggcc	360
gagttatcaa	agccatgaat	aacagctggc	atccggagtg	cttcgcgtgt	gacctctgcc	420

aggaagttct	ggcagatata	gggtttgtca	agaatgctgg	gagacacctg	tgtcgccctt	480
gtcataatcg	tgagaaagcc	agaggccttg	ggaaatacat	ctgccagaaa	tgccatgcta	540
tcatcgatga	gcagcctctg	atattcaaga	acgacccta	ccatccagac	catttcaact	600
gcgccaactg	cgggaaggag	ctgactgccg	atgcacggga	gctgaaaggg	gagctatact	660
gcctcccatg	ccatgataaa	atgggggtcc	ccatctgtgg	tgcttgccga	cggcccatcg	720
aagggcgcg	ggtgaacgct	atgggcaagc	agtggcatgt	ggagcatttt	gtttgtgcca	780
agtgtgagaa	accctttctt	ggacatcgcc	attatgagag	gaaaggcctg	gcatattgtg	840
aaactcacta	taaccagcta	tttggatgat	tttgcttcca	ctgcaatcgt	gttatagaag	900
gtgatgtggt	ctctgctctt	aataaggcct	ggtgctgtaa	ctgctttgcc	tgttctacct	960
gcaacactaa	attaacactc	aagaataagt	ttgtggagtt	tgacatgaag	ccagtctgta	1020
agaagtgcata	tgagatttcc	attggagctg	aagaaaagac	ttaagaaact	agctgagacc	1080
ttaggaagga	aataagttcc	tttatttttt	cttttctatg	caagataaga	gattaccaac	1140
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acctatatga	atgggtttat	gtcatttttt	taaa			1234

<210> 123
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n=a,t,g or c

<400> 123	attgattaaa	aggtgacctt	tcttattgga	ctgataagac	aaaaatatag	attccaaatc	60
	tattgacata	tgatatcaca	tccacaaatg	tttgccctatt	tttgtagcat	tatttttggtt	120
	gcaaagtctc	ttaggggaatg	cacaaaaata	atacaacctt	aaaaatcaga	ctagaagatg	180
	gaatataagt	ggttttccttg	taattttttt	ttaagcttgg	agaggtaata	acacatcttt	240
	gaattcaaac	tgaggactgc	tgcttaatgg	tgctttttaca	gggtggttct	aaaatttttg	300
	agagtcaggt	attgctttct	ctgactgttt	aattcaccac	tggcacgtgt	ttcctatcct	360
	caagcataag	tttaaaagat	tacaaacctc	atgctgctca	gttttttctn	tccagtaaat	420
	cagatgcatg	gtttctctag	atttag				446

<210> 124
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n=a,t,g or c

<400> 124	tggaagaatt	gattttaacc	ttttctatgc	aaacacaatc	tgaaaagtta	tgtgctgcat	60
	attgtgctca	aaatgtttta	tactctccac	aagctgcaat	taagagattc	attcctattt	120
	ttaaaattta	gatccacatg	ggttagagaa	aaatactctc	aaaagtgagt	tcctagagaa	180
	tattatccct	ttgcttcaca	gagattttta	cctgcattta	agagtaagtg	ttaggttgag	240

gcatatgata	ttgtcgcttt	tgcagatcag	caatgggtga	acactggcaa	tttcaatatg	300
gttcaacctt	gcacatgact	caagtgtaaa	anaaggagaa	accttcaagt	attccttatt	360
tcttccaata	gggggtacac	tttttttgg	acagtggaga	tccaacccaa	agtacgcaag	420
cctcttctct	ccctgatgg	tgggtagcta	caggcagtta	cantcccttg	gctgcctgtg	480
agaagcctac	antttggcat	tttctcccn	aaaattacca	cggtngccca	agtgaacatt	540
nccagnatat	ngacctgggt	aatggggggg	aagggggagt	tgagcaacng	gtggaaatat	600
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<210> 125

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(523)

<223> n=a,t,g or c

<400> 125						
gggggaaatt	acttttaaaa	agaaaaaaag	aaagaaagaa	aagcagaaag	tgacatcga	60
ccagcacctg	tgtacgtaca	gtacaccttg	cagccgaatg	caaggttact	tcatectatg	120
gtaaaggtcg	ccccagccc	ggtagccaga	gatgccactc	tttctgccc	gctaaccacca	180
ttgtgcgct	gtgtgcgagt	ggtgccagca	taacctcaat	cacaccaata	ttgctgccac	240
cactgcttta	ctggctccga	ctgaacacag	catagaagag	tcaggagaga	atgcacagct	300
gtacacccaa	ttctgatgcc	ccctcaatac	tttcatcatg	tttccatcat	ctttcaggtc	360
ccatactctg	agagttttgt	ctcttgaagc	tgacaccagg	atcaagttcc	atctggagca	420
aaagttaa	tctgaccact	tcagtatgat	taccaagtta	aggaggagtt	tctgtatatc	480
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<210> 126

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(746)

<223> n=a,t,g or c

<400> 126						
ttnnncggga	gnaacacaac	aagccgagtc	cgccgcccct	gcacaacaac	aacaacaact	60
gcgaggaaaa	tgagcagtct	ctgccccgcg	cgccgggcct	caacagttcc	tggtggaac	120
tacccatgaa	cagcagcaat	ggcaatgata	atggcaatgg	gaaaaatggg	gggntggaac	180
acgtaccatc	ctcactctcc	atccacaatg	gagacatgga	gaagattctt	ttggatgcac	240
aacatgaatc	aggacagagt	agttccagag	gcagttctca	ctgtgacagc	ccttcgccac	300
aagaagatgg	gcagatcatg	tttgatgtgg	aaatgcacac	cagcagggac	catagctctc	360
agtcagaaga	agaagttgta	gaaggagagn	aggaagtcga	nggttttgaa	gaaaagtgcg	420
gactgggtnt	cagactggtc	cagtagacct	gaaacatcca	ccccaggag	tcccatttca	480
ganaccctaa	cgtcttgtgt	tttttaggat	gatggatcag	tgtncgtgt	tnnnnnnnnn	540

nnnnnnnnnn	nnnnnnnnnn	nttttgtnnn	tnnnnnnnnn	ntnnnnnnnt	ntnnntnnnn	600
tnnnntntnn	nnnnnnnnnn	ntnnnnnttt	nnnnnnntnc	ntnnntntnt	nnnnnnntnt	660
tnnnntntnn	ntnnntnnnn	nnnnntntnc	nncttntntc	tnnnnnnnnn	nnnnnnntnt	720
tnnnntntnt	nnnnnnnnnn	ntnnnt				746

<210> 127

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(448)

<223> n=a,t,g or c

<400> 127	ctcagattcc	tggaacctgt	gtcctgggtg	ggccaaggt	gattttacag	aagaaaaaaa	60
	caactcaagc	attctgggtg	caacatagag	attgtaggct	gcttctaaga	aagttattaa	120
	caatttgga	attcctaagt	aggatgagag	ttagtaactg	gatacgagtg	aagtttatat	180
	ccaagttcag	actcaaaggc	attattatga	tttgcttctt	cccatgtctt	ccatgtcctg	240
	cttctcaaag	tttttctcat	ccatcacact	actgccttaa	cctgctctga	gtatgcattt	300
	gttttcaatt	catctttatt	tcaatctgtt	taacttttga	atccgcatgg	gaatacgcac	360
	attaagttcc	tttctaaaat	aagggtttat	ggaagctnga	gtgagtttca	cgataagtgt	420
	ccttgctatt	ttttgagatg	ttttatgg				448

<210> 128

<211> 1650

<212> DNA

<213> Homo sapiens

<400> 128	agcagagccgc	cacggtatga	ccccaggggc	tctgctgatg	ctgctggggg	cgctggggcc	60
	gccgctcgcc	ccaggcgctc	gccgctcgga	ggcggagggt	cgactccggg	agaaactttt	120
	ctctggctat	gatagctccg	tgccggccagc	gccggagggt	ggagaccgtg	tcagggtcag	180
	cgttgggtctc	atcctggcgc	aactcatcag	cctgaacgag	aaggatgaag	agatgagcac	240
	aaaggtgtac	ttagacctgg	agtggactga	ctacaggctg	agctgggacc	ctgcggagca	300
	cgacggcatc	gattcgctcc	gcatcacggc	ggaatccgtg	tggctccctg	acgtgggtgt	360
	actgaacaac	aatgatggga	attttgacgt	ggctctggac	attagcgtcg	tgggtgtcctc	420
	cgacgggtcc	gtgcgttggc	aacccccggg	catctatcgc	agcagctgca	gcatccaggt	480
	cacctacttc	cccttcgact	ggcagaattg	cactatgggt	ttcagctcct	acagctacga	540
	cagctcggag	gtcagcctgc	agacaggcct	gggtcctgac	gggcaagggc	atcaggaaat	600
	ccacattcat	gaagggactt	tcattgagaa	tggccagtgg	gagaatatcc	acaagccctc	660
	tcggctaatac	cagcctccag	gcatccttag	gggagggagg	gaaggacagc	gccaggaagt	720
	catcttctac	ctcatcatcc	gccgcaagcc	tctcttctac	ctggtcaacg	tcattgcccc	780
	atgcatectc	atcactcttc	tggccatctt	cgtcttctac	ctgccaccag	atgcaggaga	840
	gaagatgggg	ctctcaatct	ttgccttgct	gacccttact	gtgttctctg	tgctgtctggc	900
	tgacaaagta	cctgagacct	cactatcagt	accattattt	atcaagtacc	tcattgtttac	960
	catgggtcctc	gtcaccttct	cagtcattct	tagtgctcgt	gttctcaacc	tgcaccaccg	1020
	ctcacccac	accacacaaa	tgcctctttg	ggctcgtcag	atcttcatte	acaaacttcc	1080
	gctgtacctg	cgtctaaaaa	ggcccaaac	cgagagagac	ctgatgccgg	agccccctca	1140

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catcatcttc	accagcgttg	ggaccctagt	catcttctcg	gacgccacgt	accacttgcc	1500
ccctccagac	ccctttcctt	gaagactgga	gggttgagac	caggccccct	gccagttgaa	1560
gtgagagagt	ttggtgatac	tgtcaagccc	tatccttctc	tgctctttaa	ctccttcacg	1620
aggaatctgg	gcctcttatt	tcgttctggg				1650

<210> 129

<211> 983

<212> DNA

<213> Homo sapiens

<400> 129						
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ggcacctacg	gaactgtgtt	caaggccaaa	aaccgggaga	ctcatgagat	cgtggctctg	120
aaacgggtga	ggctggatga	cgatgatgag	ggtgtgccga	gttccgccct	ccgggagatc	180
tgcctactca	aggagctgaa	gcacaagaac	atcgtcaggc	ttcatgacgt	cctgcacagc	240
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ctaataaaca	ggaatgggga	gctgaaattg	gctgattttg	gcctggctcg	agcctttggg	480
attcccgtcc	gctgttactc	agctgaggtg	gtcacactgt	ggtaccgccc	accggatgtc	540
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gcagagctgg	ccaatgctgg	gcggcctctt	tttcccgga	atgatgtcga	tgaccagttg	660
aagaggatct	tccgactgct	ggggacgccc	accgaggagc	agtggccctc	tatgaccaag	720
ctgccagact	ataagcccta	tccgatgtac	ccggccacaa	catccctggg	gaacgtcgtg	780
cccaaactca	atgccacagg	gagggatctg	ctgcagaacc	ttctgaagtg	taaccctgtc	840
cagcgtatct	cagcagaaga	ggcctgcag	caccctact	tctccgactt	ctgtccgccc	900
taggccccgg	gacccccgcc	tccaggctgg	gcctggccta	tttaagcccc	ctcttgagag	960
ggtgagacag	tgggggtgcc	tgg				983

<210> 130

<211> 454

<212> DNA

<213> Homo sapiens

<400> 130						
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aggataaaat	aactacatth	agcttgccct	tcagtgcgc	ttttgccaaa	tgtcagctac	120
aaggagtcac	ctccctcacc	gccaagctgt	ctagcagcca	gagtggtagc	tttactgtaa	180
cacacagtac	tttttgtaat	cagactcaaa	gtcttcatcc	atactgcttg	tgtctgccat	240
ctttttgcca	tcagtctttg	gcagaaattg	tgcatagtct	atcccttget	gctcatagaa	300
aagaatgtag	gcagagtcgg	tgtcaatttc	atccgggtga	agttccctta	cagctgctgt	360
cattgtaaca	gtaccacttg	cagtttgggt	ttttggcata	agtgacgtaa	tgggccccca	420
cccagaattc	cccgaatggc	acgaaattgg	cata			454

<210> 131
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n=a,t,g or c

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<400> 131
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tggagttgcc agctagaggc attctcaggt agctaggtgt agtgtatttt ggtgcctctg      120
gtctctgggg caatgtcttt tgcctccaa ctgggtatgt atggatactg tgattccagg      180
tctgtttttt gacttaagaa ctgctcccag atttccaaat ggaagttttc acactatgac      240
ctagaaatga atagatatac attctgtctt gggtttccta agccagtctc ctataaaaca      300
aaaatttcat cccaggaact cttccatata aggggaacata tatgttttga aaataattca      360
tccatttctt tgctcccata aatacctttt gcccaggatt tattcaaaaa aaaagaaaga      420
ttgctactta atgtttctat tccattggag tgagtgattt attcattgga ggtctaagtg      480
atgatcatag aaagaaacat agagtactag aactggaagg aactaatctc nattttatag      540
gactctcgtg cc                                          552
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<210> 132
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n=a,t,g or c

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<400> 132
actggttgacc tgtcactggt tattattttca gcactaaaac tgaggagcct caactgctgg      60
ctcttcttcc ctttgtattt gtgtaaggag cactgcactc ccataaaagg ttttaaataa      120
caaaatgtac aagaacacac aattccaagt gctgtaaaca taactgagaa ccagttcctt      180
tactaaacat ccattttata aaatacaagg tttcaatttg agcccatctg agccttaaag      240
atccattctg aataccaaaa acagggcttc acagccaggc ccagaagagg tctggtgata      300
atggctggcc ctgggtgggg atagtttaca cccgggcagc agcaccacac atgaacccaa      360
agacatgttc tttttaaaagc tgttttcagc catgtttctc tgggtgcatc ccagtaagca      420
gaaggctacc cattccattc ctcaacccca agagctagca cagtttagagt aggagggggg      480
tgcgtactag cacgtgncca gttgctcagt gcggcaggta gaaatgattt gcataggtcc      540
atggg                                          545
```

<210> 133
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 133

tttttttttt	ttttcttaaa	ttatatattat	tatatgaaat	acaaaatgtg	gaaaatttgg	60
aaattacaga	aaaaccaaaag	atgaaaatta	cagtgacttt	gttccaccat	acaaagataa	120
ccactcaaca	tttttttagta	tgccttccgt	ctttttttatc	tgctctacgt	atacaagcat	180
acacccatat	tttaaaaaaac	aaaattgaaa	tcacataaca	tgcaactattt	ttacaacctt	240
ttaatatattca	aggagcattt	ttcttttcagt	cagatgttct	tttacatgac	ttttaatgtc	300
tgcgcggtac	tccaccatct	ggatggagat	acaataattt	acttaagcaa	tcccctattg	360
caaactttcg	ttacagcaga	aaag				384

<210> 134

<211> 168

<212> DNA

<213> Homo sapiens

<400> 134						
tttttttttt	tttttttttt	tttttttttca	aaacaagtgt	tattttattat	aaaatcagtg	60
gcttctgatt	agaagacttt	tttttttttaa	accaaataagg	ctcaagaagc	tggtctggagg	120
ttgaattggc	tgacgaacat	cttcttctctc	caccagcagt	ttgtggga		168

<210> 135

<211> 175

<212> DNA

<213> Homo sapiens

<400> 135						
gcaggctgat	acatgtgggg	gatttttattt	caggcacttg	ctcttcagtt	tttcttacac	60
gatgttccac	aaatataaaa	atgagaaact	ctttcagatt	atctgtatat	ctatatacct	120
ggattattct	ggctaaagcg	acaggaaatc	ccagcagtct	ggcttccccg	agtaa	175

<210> 136

<211> 246

<212> DNA

<213> Homo sapiens

<400> 136						
tttttttttt	tttttttgaa	gaaaaggaag	gggtttattc	tcaagcgtct	aagggtttac	60
aaacgagggc	attttgtttt	aaaaaggggc	agggcgacac	tggcggcctg	aggaggggtc	120
cattggctgg	tgggctggcc	gagccaccct	caggcccttg	cccaccggt	ccgccctctg	180
cctggtccag	agggatggct	ggtgacgagg	ggggaggtct	tgggagaggc	tgggaggcag	240
gagaga						246

<210> 137

<211> 263

<212> DNA

<213> Homo sapiens

<400> 137						
aaacaataaa	cagaatttat	tagctcatat	aacaaaaaaa	gtccagaggt	aaggccaatc	60
tcaagcaagg	cttgatcctg	tacttaaaaca	atttcaccaa	ggacttgatc	tctttctgcc	120
tctcaactct	cccttcagtg	gtgtcagctt	cacgtgatcc	ctgggtcatga	tcccaaggcc	180
caaggtggtc	atcataaaga	cccaggaata	ctactacctt	tttcacattc	aacaggggaa	240
ttaaaacagc	ttctaccag	cat				263

<210> 138
 <211> 394
 <212> DNA
 <213> Homo sapiens

```
<400> 138
ttttgtcact ctgttcttcc atgcctttat tggtaacagc aatggacaag aacaatacca    60
ggcatagcag acaccctagc ccagtagctg aggtgccagg caggccctga aggcacttgg    120
cacatccagt cccagcccaa gatccagtct acccaggcca tgtccccgaa tggcaggagg    180
cgtctgtcca gtttgtatgt gtggatcagt ctctctgagt gtctgagccg ctgcctgcag    240
ggcccccca ttctccgcac atggtagggg ctgttaggaa catagcgtgg catccccggg    300
tggaccactg ggccccagtg ctgaccatgg ggattagggc cagggattgg aggtggcaga    360
gggccaggca caaagttcac tccagggcca catc                                394
```

<210> 139
 <211> 303
 <212> DNA
 <213> Homo sapiens

```
<400> 139
ttttcatttt gaaaaagcta tttacttttt ttccaaatat tatcccaaaa ggtgttttac    60
agataagggt caatacgaag tcaaacattc tacagaagaa aatcgttttt acagacatta    120
agaataattt taacagaaga aaaagctcac atctatctag atgtggctat gttccatggg    180
aaaaatttca gcatccaaag tgcaaagaaa aaatgactgt agcttttctt accacaaaat    240
attgacaatc ttcccttata gcttactctt tattgttagt tgggatgcca aaggatgata    300
tat                                                                303
```

<210> 140
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n=a,t,g or c

```
<400> 140
gaacaaaaca gaatgttatt ttattttgtg tctaagagta caaaantcat aatcaccaac    60
ctcttgggaa tccaaggca ganttttagt cccagacccc ccaacatcct cactacatac    120
atggaagttg ctttactcct ttctacctta gttatttgac ctataattag aggataaaat    180
acaacattct aaaatcctgg taatatggcc gatatataat tttatttttg atgtgggtga    240
gagtcttgaa gtctggaaag catttaactt attaaaagac                                280
```

<210> 141
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(495)

<223> n=a,t,g or c

```
<400> 141
ttttttttaa tttaaaggag tttaattgag caataaacag ttcaagaatt gggcagcctt    60
cccagccaga gtaggctcgg aactccagc gcagtcacac ggtggaaggt ttgcggacag    120
aaaatggaag tgaggtacag aaacagctgg gcttggtac agcttgcat ttgccttata    180
tgaacgtggt ttgaacagtt ggctacattt gattggccaa aactcagtga ttggcacaag    240
tgtagtctgt ttacacctcc acttgtcacg atatacagac aaaccttttag gccaaactta    300
aatatataag gaggcagctt taggctaaac tttatttcaa tacctgtatt ccaacacttt    360
gggaggccga ggcgaggagg atcacttgag cctaggaagt tagagattca gcccaagcaa    420
catagtgaga ccttgctctt gtggaaatta atttagcng ggcttggttag cctgtaccng    480
tagtcccagc tactc                                         495
```

<210> 142

<211> 402

<212> DNA

<213> Homo sapiens

```
<400> 142
tttttttttt tttttcttag ttaatatctt taatttttta tgtagaatat actatTTTTT    60
tctccaccaa aataacaata tatttgcagg cggaacatg tatgatttta aatgcacttt    120
tgaaatctta gagtagaacc actactctag taatacttgt aataaaatta aaatagtttt    180
aaacacttcc ataaagaatt aggggtgccc agctccttga tttcccccta gggataaaga    240
tatccatgta caattccagg gagcttccct gtaattcctc aaaaaaggca ctagtaaaac    300
tcttaggagg gatattagga taaaggctca ctaggcaat agcccttttt cccacatat    360
tctgggaggg ttctacaaaa gctatttgga tactcattcc gg                                         402
```

<210> 143

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(463)

<223> n=a,t,g or c

```
<400> 143
gggtanngatc ngtgtattta taatcaagtt gaatcaagag tgacaagaag aaatacagct    60
agagttatat ttttgcccca ggggtattct tttcctagaa gagcaagtcc attttttagaa    120
aatTTTaaatg tctttatttg ttactttcca aatatttttg ttaaacaat atctcttgca    180
aatgtatctt caaaatcttt gcctacatgc atacaatttg ttcttcccaa ctgcttaggg    240
gaaattcctt caaaatgctt agggagtctt aacacatcaa atctgatcat tttgtttaca    300
ttagggaaac accaggacat tgtgggatct cttcttttaa aaaacaggat ttttatttta    360
ctggcatttt caccctcagg acatgtctcg taaggnttga ggggttaggc taggnagggg    420
ggnngggttcc agggcaacac atttaccaaa tggacncccg ggg                                         463
```

<210> 144

<211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n=a,t,g or c

```
<400> 144
aaaaattgta aaattaaggt gaaataattg ggaatataaa accccaatgt aagataaagc      60
aaattgcttt attattttta aaaatgaaga gaccccaaat acaganttaa gcagtaaaaa      120
tctttttagt ttctttcatt aatctgtatg atccaaactc aagtacgtaa ttttttcttt      180
tttaagaggc aggttttgc tttgttaccga ggctggaggg ccatggcacc accacgcctc      240
acggcagcct ccacctcatg ggcacatcaagt gatccttctg cctcagcctc ccacgtaggc      300
agggaccaca ggcggaanac ccacgtctcag ttattattat tattattttt aggagacagg      360
ggctcttggt atgttggccc gggnttgtct taaaactnec gggctcaagt aatccttcca      420
cctcagtnnt cctaaggtag gtaatatattt taataggcaa accatt                        466
```

<210> 145
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n=a,t,g or c

```
<400> 145
anncccagat aagtgtgcaa ttatggagaa gtttatctgt aagaacagat aaagggaaat      60
tgtctacaca tgtgcatgta gaaagaaatt atggagatgg attcagccct caaagcaaaa      120
gctctattta atttgaattt ttacttaaat caaaagcaga aaattttaa tgtcactaat      180
cttaactggc caagggcatg atgcatcagt ctcataacct gggcaaaaac ctgcccttaa      240
atgatcaggt cagaaccagt aagagtctct atcctgggtc ctcggttaata cagagagctc      300
ccaaatnaaa ttatatgtat tacagagcca attcagccca atntacagtc tctgattttc      360
acatggccta cacaaacttt atggtt                        385
```

<210> 146
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n=a,t,g or c

```
<400> 146
cattaacttg acatctggta aaacaaaatt ttgcgtanat ctaaatacaa acaanaaca      60
```

gacatgacac	tttctcagtt	aaaatagttt	aataaaagca	acaaaactgt	gctaacgac	120
agaatcaaaa	atgagatatt	aggtagactt	ataaaacaaa	gtatagttat	tttttgattt	180
caaataaacc	atgtgcaaaa	ttgtaaaatg	ccaatgtgtc	tgagaaaagc	attaacagtc	240
cttttagcaa	tttatatata	aagatgtttt	taaagtgcc	cagcttaagg	cattatattt	300
taaagtttaa	taaacatcta	atttcaacat	ctctccaaga	acagacttct	tctcaataag	360
ctataaacta	tt					372

<210> 147
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n=a,t,g or c

<400> 147	cttttcatat	ttcaacttta	tttaaaatat	gaggttttat	gtccagaagg	gagggcagtt	60
	gccatcgga	ggtgaagtga	ggcacaatac	tattgggttg	cgggcccaagt	acacagggtt	120
	gcactgtgaa	ggaactgagg	aggttctggg	agggcctggt	gacaacaatg	gatttgggga	180
	gatccacaaa	ggaaattttc	atttcctccc	caggtttagct	attcagtggg	tggtattatc	240
	agtcttttta	agcaaggtca	ctgctcctta	gcaacatcaa	caaaagtgcc	aaagctgagg	300
	acacagagaa	taccatcatt	gtcttttggt	tctctttatg	cctggatggg	gaaaggaatg	360
	gaaactaata	gcagaaaatg	aaacatttcn	ggatgttatc	ccttgccatg	aagaatcacg	420
	ggcttgtgta	gagacctctt	tcctttcntt	tttttttttg	agg		463

<210> 148
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n=a,t,g or c

<400> 148	catctctcct	tttttctttg	gactttcctg	agaccccctc	tccttgcca	gccggtgtct	60
	gcatcttgca	gctctttcag	ctgtaatcca	ctgttattat	aaggagccct	gttgctgtgg	120
	tggttaaggag	tggggaagg	aagcattcca	ttttcttagg	attacatctc	aatcttttgg	180
	ntgggcctat	gttgctgtac	tgtgaccttt	acaaatgttt	cttaaccttt	ttcctccttc	240
	cttaggttga	cacaggaat	ctaggagggt	gactcgagtc	agaggaacta	tcttctcccc	300
	aggatggggg	ataaggactc	tggggtaaag	gcccttttcc	ntggggagag	gtaaggctct	360
	taatcatagg	ggggaacatt	tctgagggcg	cactttcaaa	gggcatttac	ntttcccttc	420
	ncccttttnc	agagccnggg	gggaaggggt	ntatcttngg	ggtctttt		468

<210> 149
 <211> 496
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n=a,t,g or c

```
<400> 149
tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt tacccaaaaa    60
gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tggtatatca    120
gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac    180
acaacacttt ctctccact cagatgggag cctcagnatg ccaaaacggc aggatgtgcc    240
aactaactat agggctcgtt gctaaggcag gaggaaatct attcaagttt gtccaggcaa    300
attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca    360
ctgggtctnt gctggctggt cccctgtagg gcagggtcga ngctgggtng gccctttagg    420
agggaagggg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg    480
naaaaattgn caaatt                                         496
```

<210> 150

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(438)

<223> n=a,t,g or c

```
<400> 150
ttttttttct ttataagtgc tttaattaaa accaatctta ttatgaaaaa caaaccaaaa    60
aaaccttgca ttgatggatg gtagctatct gcaatttctt gttttggctg gatgcattga    120
aggattaaaa atttaatat taaggtgtgc cttaaactgc aaggttcctt gattttattc    180
tcatctagga atttttgctg ctttaggtag ctgacaacat gcagatccat actctatctc    240
ttaagatctt cttttgggaa ctgattccag ggtgaaatct tcttagggga aggatgtggg    300
ctaggaggct ggggtatggc aaaggcatgt tctataggca agggaaaggc caggatggag    360
gtgagggggg caaaaatcta gggtattaaa attttagggg gngacactng gggttttaat    420
aaacntatct cttccac                                         438
```

<210> 151

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(371)

<223> n=a,t,g or c

```
<400> 151
ctggagcnnn tntnntttta tttgctcaat gaaaatactt cgtccttttt tatcagcaat    60
```

acatatagtt ccaacaagaa ctattcatca caaactgcc	gcttggggat ttcttcatga	120
aatatTTTTgt atttgcttgg tacatggttc aaggaaactc	ttgtgtttgt gccaatcagg	180
gaaataaact gaacaataaa cgacactgaa atagagtatt	aggcaatatg tagctttgtt	240
tttgctTTTT ttttttaaaa aaaaaccact gaattttttt	ccaccacaa acacatggga	300
aagtgcagga aaccagttaa tctatgggtga tggatattgc	catacggttt acaaacnagg	360
ccaaattaaa a		371

<210> 152

<211> 353

<212> DNA

<213> Homo sapiens

<400> 152		
taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa	tatataatag gctgaattca	60
tcaatgatag aataagttgt aattcacttg gaggttccat	ctttcaaagt aagcctttca	120
tagataaatg aaaatccttt attttgtaga attttaaaga	ttgttaaagg ctgggtcaag	180
gcaaagccac ctctattaga aggggaaaga aaagcaagat	gaaacaaaat atgttatcat	240
acatatcgcg tgtgctatga gcatctttct actcctgcc	gattgaaaat tctaggtttc	300
aacattcttc aggatttaac aagtcaaaat aaaagccgga	attcaaactc agg	353

<210> 153

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (429)

<223> n=a,t,g or c

<400> 153		
agctcacggg cggcaggcag aaccttcctt ttagtgagtt	gtaaagtcag agagaagctg	60
aaaaattaga gtgagaccac ttattatttta atgattttta	agagcagggg cacttttaaa	120
ccagaattgg cttgaaaatg gagactgtga tatgcacggc	taaaataagg gaaatgtcca	180
tttgaactga gactagaaag catgactttg cattgcagct	ggctctgttg ataaaaatcc	240
ctcatccctt tgagtgttaa attgaaagac tangaaagca	tttccaaggc gaagtgttc	300
atgnetgtct ctcaggnttc ccacagctgg gtcccggggc	atgcctgttc tggatgtct	360
ncattgcgag ggaaactgcc nttcaccct agctcgtaat	cccagctnct cgggggggtc	420
gagggcagg		429

<210> 154

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (203)

<223> n=a,t,g or c

<400> 154
acttttcttga atttatTTTT atttcaatgg ttttaaatgaa tttttccgag aaagttcaca 60
atactcattt ttatgtttca atttatattc aaatttactc aaagntaata tcacccggta 120
ttattagaga agtctctcta aatactagaa ctgacatttc agatccnttt gtaataatac 180
tgcccccata aaatatgcat agg 203

<210> 155

<211> 319

<212> DNA

<213> Homo sapiens

<400> 155
tttccagtat aaattatTTTT taatttttaga aactgagatt gaagtacagt ttttagttta 60
aaatattaaa aatgaaaaaa cctttaacat tattaaagat gtgttggttac aaagttccta 120
gatatataca tgtacaaaac aaatagatat tactatctga cacctcaacc catgacttac 180
cctaaatctc ctgatatgaa caattaatct actgggaggc ttttcccaat aagtttcaaa 240
tttcttgac aaagatttgc tgccattcat attctgtgca tggatgagga catttaatca 300
cagactattt caacttaat 319

<210> 156

<211> 276

<212> DNA

<213> Homo sapiens

<400> 156
tttttttttt taggacaaat aaaatTTtatt tttctctgta aattcattta aaagtatggt 60
atctatgatt atcctatcaa ggtcagaaat gttagatctt actccaagat aggtaaacag 120
ccctttgaaa cgcaacaaaa agagacgatg atcttatgag ctcatTTtatg ttcattgcgtg 180
aaagtgtgaa gatcactagc tttgctgtgt ttctacaagt ttccttgact gtaaaaacag 240
tcaaaatgta accaacctaa ttcaagatgt taaatt 276

<210> 157

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(549)

<223> n=a,t,g or c

<400> 157
tcctngcnnng ggtcgttact gttcattagg ggagaaagca gtttaaaatg tctcagcctc 60
tcgcctttcc tccaatcaac acaaagtata ttagacaaag tggataaaga ctggcattga 120
catcttccaa atagcaaaat caattttata atttaaagac aaaaaatgct ttaactgcag 180
agggcattta agacgtttca cacttacagg gctaatagaa tgcaggacta gcataaaagt 240
tttttggggg ggggtggggga gaatagattt tttaacataa ggagtcgata ggnaatcttt 300
aataatTTTT ccccccaaa taatttttaag gtgctttaag ggccgcggga tcncgggggg 360
ggtttcccc tctttttacc ttattatgga ntttaccata ttcctnaaaa atggatttaa 420
atccccattn ccccttcagg ccncaggggg gnaagggggg aaatttgctg tgggggcccc 480
ttnttttagg ggaggggttc ctcctccagg cngctcctct ttaccgnccc cgtccggttt 540

cgggccctg 549

<210> 158

<211> 378

<212> DNA

<213> Homo sapiens

```
<400> 158
ttttttacct tttggcctga attttttttt aattttttaa ttaaacacca acgaaaacct    60
cattttgtct aagcagattg aagagaaaaa atgagctata ctgatagaag ctgaaaaaag    120
aaattactgt ctacacgact aagaaaaaga ccaagcaagt gcaatgagta ataagttata    180
gaaatagcag caactccaca agaaactgat aagcatctgc cactatcaac tctatgctag    240
atgccaggca tacagtgaat gtgatgtgcc cacttcattc aagaagctca tcaggtggga    300
agaccaatga ggtatcagtt taaggatatga ggatgaattt tataggaaag caggcatccc    360
aatgtttccc ttatttcc                                     378
```

<210> 159

<211> 307

<212> DNA

<213> Homo sapiens

```
<400> 159
ggtcattgctc tggtgcccag gctggagtat ggtggcaata tcataggttc actgtagcct    60
tgaactcccg ggctcaagtg atcttcctgc ctcagccttc caagtagctg gcactgtgtc    120
tgacaaagtt cacaactttg tttgtggtca caaagctttt cagcaggagg cagctatttt    180
tggtaccttg ctaagatcta gtatatcact atacgagacc ctacaaaaac acacaaaaaa    240
gcaattcctc atttactatg ttcaaggaaa cggcatggaa ataaaggtaa atttttaggg    300
caaaagg                                           307
```

<210> 160

<211> 290

<212> DNA

<213> Homo sapiens

```
<400> 160
caagatctct attggctttg ctttggttcc tgtttccccc ctaaaaaaat ctaacttcta    60
aaaacattct gctcagacaa ccatttcaag ttataggaca catgctctaa aggaaaccat    120
ccaggagaaa catttgacac agttctccta tgacttgaga ttgcatctga gaaggggtgca    180
gggggagaac agacagaaac agcccactct gtgtgcagaa cgccgtgtgt cctcagtgtt    240
tctcggggcc catagctcat tagctgcagt tggatgaag cctgcaacct    290
```

<210> 161

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (246)

<223> n=a,t,g or c

```

<400> 161
cacatttttca ccatttttatt cattaatggt gtcagatggt ttagtggggc atgtggggaa      60
agaagggtag gagttgtccc cccatccccg tgcacaggtc aggacatgct gggggctcct      120
ggagggagag gaggatgggg tcagcctagc cctcccacc ccagatttnt gcgagggccc      180
ccaggatgga ggggtgggtggg gggatgggca gacccttcag tccagggtag ggaagctgag      240
attata                                           246

```

```

<210> 162
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(344)
<223> n=a,t,g or c

```

```

<400> 162
gcttgtnacag gttctgttta ttatgtntct acagccttgt ttatagtaaa ggtgaatgac      60
atgattccac tttacacgat aatgaaaaaa ctcaatgagg actccatcag ccaagcggtt      120
tatatggcag atgagctgct acaaactctgt tgtgtgctcg ccgcgtgact cagctaattgc      180
taccgggggt ggagcgcaca ccgagcccag ccaccttttc catacctggc agaggggaagg      240
gagtggaagg accagaaggg agtaagantc aggaaaggaa cagttttattg aaaggaccca      300
gagcccaacc taggaaggcc agtggcccat cctgaaatct ctca                               344

```

```

<210> 163
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(162)
<223> n=a,t,g or c

```

```

<400> 163
cagaccctcc tttatttctt gancgatgtc acagcagccg taaaagaaaa ccagatgacc      60
ccaaccaacc tggccgtgtg cttagcgctt tccctcttcc atctcaacac cctgaagaga      120
gaganttctt ctcccagggt aatgcaaaga aaacaaagtt tg                               162

```

```

<210> 164
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(451)
<223> n=a,t,g or c

```

```

<400> 164

```

gcagaggcct	ccacttttta	tttcagttgt	actcatctgt	cccactgtgc	aaatggagtc	60
acacgctcac	tcaattctga	gaggcctggc	aagnaaagag	aaaagatgcc	cagagcagtc	120
tgtttagagtt	gcattctcag	actaatatct	ttacagtcct	gagaaatcac	tgtcagggtt	180
tattttaa	gcagattttt	gaaggataaa	ttttacgact	aatttttttt	aataaactat	240
gcaggattgt	tattttagaag	atttgccaaa	tttagagtct	tcagcgatgg	aaataattgg	300
ccttcttgtc	acagtcttct	gtttataagt	gggtaaagaa	agttttcttt	ccagaaaaat	360
acagcagaaa	atccgatgg	tctgatagga	gttaattgtg	gagatgtgcc	agagacagca	420
gcttcgtgga	tggtgacacc	acaatgtctg	t			451

<210> 165
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(306)
 <223> n=a,t,g or c

<400> 165	gcattgtattc	ttcaattcag	ggtcctggta	atcactggaa	ccacaagttc	aaatgccatc	60
	tagaccataa	ggactcttat	aaaacacaaa	ccacttcac	atcaacaaac	ctatttgcct	120
	actagaactt	ttaaagcaag	gctgcaaact	attcaagtaa	acaaccttgt	ggggtggttg	180
	acatggaccg	agagctaaca	agagaacact	ggaattagct	tctcagtttc	aaaatangga	240
	cctaaaggag	tttgcgctat	aggagaagag	ttgcttgc	tttgttttta	tgggaaataa	300
	atatttg						306

<210> 166
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n=a,t,g or c

<400> 166	taaacgagat	gtttttaaga	agtgacaaaa	ctacttctaa	gttcttcatt	ttcctagtta	60
	ggacaatatt	cacaggaaat	tgaaattatt	attctaacac	ttaaagtga	atcactgaaa	120
	ctgttttcat	ttacctgaag	attttaacaa	acaggggcat	gcaggacaga	gtacctcagc	180
	ctctgtaaat	gcttggaaca	ccccaaactcc	caaaggaagg	cagagcaggt	gcacatttcc	240
	agagaggaat	tgcaaaggat	gccacagaa	acaggtaatt	cattaccaga	gaaaagtccc	300
	tgatgttgga	aatctcatgg	ctgaaggcag	aaactcaatc	cgggtagaag	ctnagtcaag	360
	ttaatccana	tggaagcaac	ttaaattagc	ttttctttta	aaagagacac	ctagactggg	420
	tcccactcat	tacctgcat	att				443

<210> 167
 <211> 423
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(423)

<223> n=a,t,g or c

```
<400> 167
ttgcaaaatc aaaaattttt tattccaaat acaatattct ttccaccaca cctcggtgc      60
aaggcatttt gtagagaatc tgtctgggga gagggatggg tactggaggc acatccgggg      120
caggtaggag acctggtggc caagactggg atgggggtggc accatggggg tatcgaggac      180
gtgcatctgc tccagctcca tgtggcggta nancngcngc ancnngcngg gctncangct      240
cnngaacncc ntnaanttgt tctcggcgaa ctctcgaact cgctgtgcac agtgggtggg      300
gtnnaaatcc cagtaanggt cgctatngct ctccccatca ctngctgaga taatgggtaa      360
tactcgtgcg ttttngcggt tgggtataaan cccngtcata agggcaccan gtctttctga      420
tgg                                         423
```

<210> 168

<211> 436

<212> DNA

<213> Homo sapiens

```
<400> 168
acactccaag cactcacaaa tggctttcac aaacacttag cctaggctgg aacacaaaag      60
gatatcacia cagagtccat tgggttttac ttgcttacat caccaaagaa tgttcatggc      120
agttaatttt caggctgtaa aaactacatc tatggcacca acatggaatt taaaaacaag      180
ttggatttca aagtacccca aatgccaaaa actgaaagta ctatcaaacy ggtctccaaa      240
gaagtctagg atgctgtgat gcaggcctgt ccatatacct ccctggaccc tcagggtgcta      300
cctacaggcc tctgctcatt tcccataaac attacctcac catcccagga caacaaagga      360
atgccatgta agaaacaaac aagactgggt atctcctacc acaaacagga atacagaaaa      420
catggggcca gattcg                                         436
```

<210> 169

<211> 461

<212> DNA

<213> Homo sapiens

```
<400> 169
acaacagcat caaatatcca gggaacttta tttttaaac ataatcaaa cagacacaac      60
tttcattgac ccaaatatgc ataatccaac ctgaatataa aatgactga ataggtaaat      120
tacatgatac aaagggaatg taattttaca aatgtgaaat gattgatggc tacagcaatt      180
taacaaaata attaaaacat tgtatgttta aaaacaagaa tatcttaaag ccaattatct      240
atagtaaacc aagggaatc ctggtatgga atgatttgat tcaaaggaaa taaggcacct      300
gctataaatt tagagaatat ctttcacttt taaagttata gtaaaataga attagttaac      360
caagactggc ttcagaggga accaagttca gggattcact tacagggtga aaagaaaatg      420
atcaatcaca acctacgaag tcatacaaag gaagactaga c                                         461
```

<210> 170

<211> 363

<212> DNA

<213> Homo sapiens

```
<400> 170
aaattttaaaa agccaacctt tattccactt tgaacaagtt tgtgaatgtc caaataaggc      60
tccttgaaaaa tttctccttc aggggtaagt atcttcacat aaccttcttt ttccagaatg    120
aagagacggtt gcgagccatc cccactatgc agggcaccaa cgggctgccg cagcccacat    180
cacaacctcc tgaatacaga agcagttgtg tttgtgcttt ctgctgatct ctccactttt    240
gtcatattct tccatctggg ccaagtagtt agatgctggg cctctgactt gttttcttgg    300
aaaatctgga aagcacaacc caccatcttt tcttgcatag taaaagcaaa actcatccgc    360
agt                                                                    363
```

<210> 171

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(428)

<223> n=a,t,g or c

```
<400> 171
taaaattaat cgtgaacact tttcttggtt aaaactcaaa tacagaggat aggcaggatg      60
tctccctgcc cccagtttta ctccccgacc caaaggaaac ctggtaactg gctgtcatcc    120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt    180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcattttaact    240
gagcctcaga aatccttttc atatatacat gtagatctag gccattcttt ttaaagctga    300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca    360
gatactacta ccnttttttc tttaaaaatt aaaagggtata atattaataa aaattccccg    420
ggaatttg                                                                    428
```

<210> 172

<211> 466

<212> DNA

<213> Homo sapiens

```
<400> 172
attttttata acagctttat tgaggtatta ttcacatacc atgcttttaa aatatacaat      60
tcagtgggtt ttagtacatt cacagagttg tgcaaacatc acatctaatt ccagaacatt    120
ttgatcactc ctcccaaact ccataggcat tgactttaat gtaatggcat atacatatat    180
agaaatacat atagaaacca attattctag caccatttcc attctttccc cagggactgc    240
aacatcatct gtcataaatc aacttttcat gtctgtgtga atttggtttt gatctcccta    300
ttgagagact ggtgtacagt atttgtctat ccctgcacaa attattaaag caagttttgc    360
cattctgtta tccttcctca tgaatatctt gattactttt ggccctaact catcaagttc    420
cacagaaatc ccaattggaa tcctaggtta aaattgggtg tggtca                                                                    466
```

<210> 173

<211> 406

<212> DNA

<213> Homo sapiens

```

<400> 173
gtagcttgcg tattatTTTTg agcatctttg tttattaccg ctagaaggca ataactagta 60
caatgcttta tatgtataat atatacttat atatgtgtgt gtattccttt aaatcagatt 120
ctgattatct gaacatactt atttttaaaa gacatccata gcacactcta ttctttatgt 180
gtaaggataa acaatccaag catactgtga agatcctgta acatatagct ttatgacttt 240
ggtttaattt tetattcccc agtccacatt gcttgccggc gttctcctac cctgcatatt 300
ctgataacag gagcaaagtg actggcattt tctccttct atggaaccag gggattcact 360
agtgtttttt ctatataatt cactggcaga gctataataa aacaag 406

```

<210> 174

<211> 272

<212> DNA

<213> Homo sapiens

```

<400> 174
tttttttttt taattagctg ttcttgtcat atagttttat tcctttatct ttttttgaac 60
attttataca cccttatttc aatgttcctt ttagatcact ctattctctt tactctctgg 120
gctttgaatc tccttgtttc ttgtatctgc tgcctctctt tgggatacct gggagttttt 180
cctctgacct cgtcttcagt aggaaatgat tttccatgag aatcctgggt cccctggatg 240
aggacggtgt ctctgggga gaatgtcctg tt 272

```

<210> 175

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(196)

<223> n=a,t,g or c

```

<400> 175
caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttcctt tcatgcaaa gtataattgt aaaccacagt 120
gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

```

<210> 176

<211> 417

<212> DNA

<213> Homo sapiens

```

<400> 176
tttttttttg catggctttt ttattctctt tgcagccaag acctgttttt acaattaaaa 60
ccaaaatttt gaatcacaag gttcctatgt ctatgcatac ttgggaactt agtgtgagga 120
aataatagtt aattgaaata ctagtggaaac tgtaaacca caaattdaga ctaccaggag 180
aaactgaatt atttgatata ttacatgtaa tgatgcacgt tatatatattt acatatatta 240
catatatatc ttgttaggtg aaatgggccc acttgactca ctgaacttta ttttttagac 300
agagtctcgc tctgtcggc agattggagt gtggtggtgt gatcatagct cgctataacc 360
tcaaactcct gggctcaagc attcctccca ccaaagtcct gggattagag gcatgag 417

```

<210> 177
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 177	ttcctatgct	ttttttctat	tttaggcaca	atgctttaat	aaattacaca	aagactacaa	60
	acctttatta	catcaattgt	tacaaaaggc	taagtggaga	aagattactt	atctgaagct	120
	gcacaaaatc	agtgggcaat	atggatttca	tttaagcttg	tcaattctcc	tggtattaaat	180
	tcttggcgct	gtctcacata	ttcccaagtc	ctacatgtag	aatgctaaaa	gttgcagtta	240
	ctaggttggg	aaagccatgc	ccagacgccc	ctgtgaaaaa	catatcaata	tattaagttc	300
	cttagcaaat	cacatctaga	ttaagttcat	aatgcttttt	ttttttttaa	ctttgcaaat	360
	ctccaaactt	ttgctacttt	cttaataaaa	tacaacaaaa	tttttggcat	tcc	413

<210> 178
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 178	aagcttgacc	taagcataca	cagaaaaaat	taatattttt	gttggtgttc	tagattctat	60
	tattcaggca	ggctttctat	attttcccct	taggtatcta	tacttttagta	tagatgctgt	120
	cactgtgaga	gactacagaa	agcagggaaa	atagaagttc	tatagcttca	tctaccaagg	180
	aagatctagt	ttaaaaccta	gtaggggaca	tgtcccaaca	acttgaaaat	tag	233

<210> 179
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 179	tatatacgaa	ttaaaattta	tttcaaactg	ttttgtacat	ctttttaaaa	aatgaaaatt	60
	caaaagtctt	agaattaaga	atgagtcctt	gatatcataa	agctgtgtat	aacaataatt	120
	aaagtagtgg	taacatttta	cccttgtaaa	aatgtcacag	aattaaaaatc	tcaacttgga	180
	tcctcaatga	ttcaactggt	ttatcttaca	caataagcgt	ttggtcagtt	tcaagataaa	240
	atttcccag	acatgctgtc	cttaagtcct	tcctcctcac	catccatcag	ctcacacatt	300
	ggggtagctg	gctg					314

<210> 180
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 180	tttttttttc	actgtcacca	tgaattttaa	tttattgagt	gccccacaaa	tgctagtcta	60
	ttctcagtac	atttgatgaa	caccatttct	ttatctctaa	aggatgagag	aatatttgct	120
	actatatatt	ttttttgctc	atcaccacgc	cagaatacaa	atggaactcc	tatgaatatt	180
	ctaaagcata	atgaggaagg	ggctccaggc	taaagtcaag	tatccttgat	taatgttttc	240
	cccaccactg	ggaatcacc	tccccgcctc	ccctgaagct	tccccacaag	gtgcgggggg	300
	aagcaggaga	aaaaaaagg					319

<210> 181
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 181
 ttttttttta caatgtgttt attggacaca caaaaaaact ttgcaaccat cataatacat 60
 caatatttaa cctagataat tctgaaataa tttggattct ttcatttttc aggatttgag 120
 ctcacatcaatt atgttaaatt tcctatatctc tgttacaaat ataatacaga tttcataagt 180
 ctgccttgat tcac 194

<210> 182
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 182
 ctagttttgt ctttttggca aataggagtc cctcagaatc tacacttgct ctgaaatgta 60
 gaaaaattga ttcaataaag gacgggtggtg aaaccgtcct ttgagatatt ttacttttct 120
 tcttaaagag catacacttt ttaatgatcg tgtgtgtgtg tgtgtgtgtg tctgtgtgtg 180
 tgtgtgtgta aaccctttta aaagagattt tggaaactga attctgggaa cgtttttttt 240
 tttttcc 247

<210> 183
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n=a,t,g or c

<400> 183
 agagggtgat aaatgctttt aatccccaca ttccacacac gggggacgct gtcattcaca 60
 ttttcatatt tctgttcttg tgcagctctg tgtcctcacc accctcatga atgagggact 120
 ttgatagatg cctgggtttg tgggctctgc ggtactggga aggagatata caaaggggcc 180
 tcggaggagg gtgtgggana gctttgaagg ggacaaccac tgcngacacc tggaggggag 240
 ctaaggggaa natcctgaga ctttaangag acattggaat ggcttgggc 289

<210> 184
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n=a,t,g or c

<400> 184

attaggagat	aagtttactg	ttcattctac	aaagacactt	aactcatgga	acactgagtc	60
actctaacc	ttgacttcat	tacacaaaat	gaaacacttc	tgaagaaata	cagaatttct	120
taactcacgg	caggatcaaa	gaacaaaggc	tcctgctttg	gcatttcaaa	gttgaacaga	180
gttctcaata	agaaggccac	agtcaaatac	taatggaatc	tcaactctaa	attaaaatga	240
ctaatacatta	aactgttcaa	cttagagtaa	taaaagattt	ctagatacag	accccgtggt	300
cctatagtca	gtctgggaag	ggctagaaag	aaccaaccca	tttgtgtggc	ttccgtatct	360
tccttgcaca	agcaatggaa	acccagcagg	gaaagcagtg	gagctggcag	agggcagggg	420
gagaagacac	ccagtggaga	ctgacgggag	aggagaggcc	agggcagcct	caggtacagc	480
tcatacctgn	acttccttgg	cctcagaaag	ggttgctgtg	attgnccatg	ggccctctaa	540
ggccgcccaga	ggcctttggg	ctggaaa				567

<210> 185

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(423)

<223> n=a,t,g or c

<400> 185						
gtggacactg	aagtctctgc	ttggtttagta	gtcatctaat	agttgtacac	ggatttcctc	60
aaacacttgg	aatcaataat	tcaaccagtc	tctgccaagg	agctctgtgt	gaatgctgag	120
gcacactcaa	cactccgcc	tgcaattgac	aactctgcat	tccctttact	tatggcttgt	180
gcagantca	agatcagctt	gaagtggagag	cttaaggctt	tcttgggttt	ttcctgagca	240
tctgcacagt	cctgggcatg	gatggagtcc	tatttatgca	tttggcagtc	tagattgcc	300
ataacacttt	ggaagctttt	caaagtcctt	atgaaaatct	ctttttccag	cttctccttt	360
taggcttttt	atthagccaa	ttgctttccc	ccaactgtta	tacattaacc	ccaggcagcc	420
aca						423

<210> 186

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(219)

<223> n=a,t,g or c

<400> 186						
aattgataaa	ctgagtttat	attcacctat	tggaacacagt	acaacatatt	ttacatcagg	60
ttatgaaata	tggaatgtttt	actaaaagac	aggaagagct	ttttccagtc	tttaaagtaa	120
atacatattc	aaagaatctt	aaggcatacc	atttattcat	attcatatct	attgaaatac	180
tgtacatcca	catacttcaa	taaatagtta	aaaaccnga			219

<210> 187

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(477)

<223> n=a,t,g or c

```
<400> 187
gaccatata tctatttatt tatcttattt attatccgtc tctcccagct aggatgtaag      60
cctcgtgaag gtggaggagg ggggcttatt tctgaatctc cagcatctag attggtacct      120
gccacacaaa tatgtgctcc ataaacaaat gcactttttc ttttctgcac tccctggggt      180
gcaggctgca tgcgaanacn gtccctcaagg ccagggatct gtctcaagcc tttttgaaaa      240
ccaccccttt cctacgtgcc ccacaccag ctctagcagg gtgccctcct gccctgagc      300
ctgccctcat catgccatt gccgaggcct caggactgaa tcacattttt ggagtcttcc      360
caggataagc caataggcat cattattcta cagcgatgct catgtataat tataattatt      420
atcctatatg aacgatccat tgctgctgtg taattccaat ggnaattact gggccta      477
```

<210> 188

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(501)

<223> n=a,t,g or c

```
<400> 188
ngaacggtct ataagatcca gatgtttatt tcaaaaccca aacccttggt accttgaaga      60
atctttacat atttacgtaa tacactgtac attatatgca tggcctgttt atactatttt      120
caaaaagaga atattgtttt aaactattaa taaacaaaaa ttaattgata gggcagcatc      180
aatctgtatt ccatccttgg tccatggatt tccttaaagt atggcatcat gttcatctat      240
ggttcgatac cgaatgcctc ttcttgagta atacattttg catccaatgt aaagaataga      300
taaaactccc agcggttaata caataccacc aacaaagctc ccagtatcaa attttgatcc      360
tttctttgct tcagaatgca tagttgttgt gattgttact gatgaagcag cagatgtcac      420
tgaactattg tgggggttac gtcattggtg gatgttgata tctgagatgt gtncgtgtaa      480
acacttggtt ggttttgggg t                                501
```

<210> 189

<211> 310

<212> DNA

<213> Homo sapiens

```
<400> 189
tttttgaagg cttaagcaat cggggacgag ctttattgag gcaatcacat ccacatttca      60
gttgtttgca atgattggca aacggatgag ttaaaaaagc cttctgcttc cacactgttc      120
cgtctacatt cagaaagcag taaaaatata ttctgtcaat gaacactttc caccttaage      180
gtatcatgac agttcacaaa ttgccaaca gacaatgcaa aacaatattt acaagataga      240
ccctttgtaa gttccaaatt tagatacttg tgggtgaatt ctaaaactaa catcgcatgt      300
ttttccaggt                                310
```

<210> 190
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n=a,t,g or c

```
<400> 190
ttcggttctc agtggttgaa agtaatatgg taaaacttct cttctccgag gacaatagaa      60
tagtatttgt tgtatagact gaaccatcct ccaaaatttg gaagtcagga tcacttgaat      120
gaattagatt tgcagctgta aagcactctt tcagggttaac tctaccaaca agtttctcgg      180
catctagttt ggagggaaca tgtaatgtca catttttgca ggcatcactg gcaaataatta      240
agatcgcgag ggtcagcagg agcagccggc agagggctcc gttccaggag ccggacgggc      300
ggngctgcct ccatggagag ggctcggggc aggtcgcggg ccgancgtcg ggccgggggt      360
taggagggct ccgcggggcg agggccgcgn cggaagcgca gtctgggccc gctgctcagg      420
aggaacgcga agcganggag gttggggg                                     447
```

<210> 191
 <211> 441
 <212> DNA
 <213> Homo sapiens

```
<400> 191
cattattata agctgaattt ttattttact aaattatcta tgtcaaaaaa attctgtgcc      60
tggcgtggaa ttctactcca tcaagtgtta caatgatttt ttcattttca ttacaagcag      120
gagaatgaat gtaggacaag tgtaggaaa catggcaata aattagaata taatttacia      180
aagcaaaaaa attaacagtg taccacatta ttactgagta taaaataata agcaacaact      240
aatcacaata atacaaaggt aatttcgttc tgtgttactg aggataccta tgtgacattc      300
attcaaacia aaaagttcct aatgaaatgg actatttggg aaatcatatg tatctcacgg      360
ggtttaataca ttaggggtaca ttaccgttc cttttttagt aggactttat cccagtggca      420
gatactgctc ccaggtgtaa g                                     441
```

<210> 192
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n=a,t,g or c

```
<400> 192
gcatttatna ntanttttta tttttgcaca ggaaaaacta gtgagacaag attcaaacag      60
tctctctctg tgaatcatct gtcagtggtg atgatcacgt taagtttcag aagtgtagta      120
catgatactc ttaacaattt gtctaaagca atgtttctca accaggggca attttgctcc      180
taaggggaca tttaacaatg gagacattct tgggttatca taactgggtg aagaaggcaa      240
```

gggtatgtca ttgggcatct aggtgaggtt gagggctagg ggtactgcct aaagntccct 300
 accaatggca cagggnntacc ccccnttctg gtncccanca cat 343

<210> 193
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n=a,t,g or c

<400> 193
 cctggcatta tctttttttc ctctacagt ttcttttaca gagtcttccg tggctatagg 60
 tcggaacagt tttcctgttg ctatgagaac ggcataaata agtcaagttt aaaattcact 120
 ttggggggtat ggagccgccca cagttccggc tacctaagcc ctctgggtg tgtgttgctg 180
 actcttccct ataggcagtg gatcacagcc atttaacatg gccttccctc accatggccc 240
 atcttctggn cagaaaaatn ccacaagcct ngcagagngc cctctaactg cttgggcttc 300
 tacacacaga cctagtaatg gtcttctgtg ctgcaaggag agnaatatna agctcaacat 360
 ttaacatttc tccaagtnca gaaattcatg ggctcccaa actccacca 409

<210> 194
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n=a,t,g or c

<400> 194
 gtggttccaat aaaactttat ttacacacat tgaaacctga atttcataca attttcacgt 60
 taccaaattt taattttttt tcaactattt aaaaatgtta aaaccattct tagctcacag 120
 gctatgcgaa anagancaac cagccagatt cggccacagg tttaaggcca gtttaagcct 180
 caccaccttc ctagccccac tcacctattt tgtcctctca tcttctgtc cttcagcacc 240
 cccatgacct tctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300
 gcccttnggg gaccctctcc tcctgggctg caggactgtt ttttctgga gcaggtctct 360
 aaatagctcc attcgcttg gcagggggaa tccag 395

<210> 195
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n=a,t,g or c

```

<400> 195
tttttttttt tttgagtttt gagggctttt aaataatgtg tgtgtgtgcc tctgtgtgtg      60
tgtgtgtgta tttttttcta gatactagtc ctttgttgga tgtgtgattt gcaaataattt      120
cctcccagtc agtagcatgt cttttcattt ctcttttctg ggcccttcac agagcagaag      180
tgtttaattt tgatgaagtc cactctatcc atttttcttt ttatggatca tgcttctggt      240
atcaagaact ttgcctctct ccttagatcc cccaaatttt ctcttttatg ttgttttcta      300
aaagtattat agtttacgtt ttacttttaa gtctatatcc cattttcagt taattttgta      360
taaaatgtga gacttaggtc tgggttcatt tttnttgttg ttgcccattg atattcaatt      420
actccaaca tgatatttgg tcgaaaaggc ncttttttgg ccaatgaatt ggtttttngc      480
ac                                                                                   482

```

<210> 196

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(397)

<223> n=a,t,g or c

```

<400> 196
tctggcgggc taacgcttta tttncagacc aaggccccgg gccgcctgng tttctgtca      60
gaagatcctc acggagtcca gctgcacgtc cccgccacc tccaccaggc gcacgngca      120
tgccgcatgg cgggtggcga agtggtggta ctgggcgtcc ccaaccacgg ccttgaagcc      180
gtcgtctgac gcatgatga gcacctgaa gggctgcccg cgctggaaag gaacgcccgg      240
cccgcgtccc tcgcggcccc aaggaagcct tgctcctttg ctgttgaaga ccacctccga      300
cgtgtccagc cgggggttga aatgcagcgc ggcacggag cctgtctct tccccgcaca      360
gcaggtttta caatggaacc ttgcttnggc atttggg                                     397

```

<210> 197

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(513)

<223> n=a,t,g or c

```

<400> 197
ttttttttga aagccgtaac atttattgaa gagcggacat atgtttgcaa atcacagtgt      60
gcatgggcac gcattacatg gttcataatg ctattccaat taggcctttc atagtgcctt      120
ctcataacgt ccttttaaaa aaataataac tgaaaggga aagaaagtgt caattgcaat      180
tacatttaca aaaccaaact gctgctttca attagagtga atctgtgctt cgctactcag      240
atatacacat gtagattttc caaggcccat gcacacactt ctgtaggggc agaaattttc      300
tatgaataat ggcttttagca acccgaatag tatctctaaa cattgacaag cttggggaac      360
agggcaacaa gtgcaatgaa caatacaatt tctaacgttt gtcccagtca acataccact      420
ttgccttggg gatatttaac acagcatttc atttttggaa tgataagggn taattcntcc      480

```

aatttanggg gattatacng aatataccna taa 513

<210> 198

<211> 224

<212> DNA

<213> Homo sapiens

<400> 198
gctattaatt tcatgtttat ttcatacagg gtttttgtca agtttatcag ttttaaaatg 60
attaagtcatt aatcaccatt caaagacaaa ttttcctctc aaaataataa tttccattct 120
gctacctaca gtttggttta tcctttggtc tgatagccat acttcatctc acgaggacta 180
tacaagtatg tactatgtac aaaacatttt caagtttgc ttca 224

<210> 199

<211> 448

<212> DNA

<213> Homo sapiens

<400> 199
tttttttttt ttattgtgaa cacaattttc tttatttcat ttttgaggtt ttctgaacag 60
aaaaatacaa ttgattttct gtatattgat ctagcctgtg accttgctga acttgattaa 120
ttctattaca ctatgatttt ttgttgtggt tagaccctta cacaatcaaa tgagggtaaa 180
aaaaaattgt cagagtggcc ccagaccaac aacaggatga cagtagcctt tgccataca 240
gagataaaat ttagtttttg cagtcctttc ccatagagat tgtatggcag tagcaattct 300
atggcctact gccatacaac ctgaactgaa gtccagaaag tttaggtgac tggggcacag 360
agctaattac tgggtggagcc aagaagagaa attatatccc tacctccttg ccactaagc 420
tccccattcc agtgggctgc tttctggt 448

<210> 200

<211> 378

<212> DNA

<213> Homo sapiens

<400> 200
gtccaaaaaa tatgtagtgt caagtccacc actcaaattc taaagatgtc agttgtctaa 60
gggacaaaaa agttgcccc aagatcccta gggaagctta tgggtacact taccttgctg 120
gagaatgggtg ccactctgat taactgggtg atagacgatg gtctgccctt cagcagctctg 180
tgcacttgct gtccctggac agaattcgtg ctgcatgtgt ctggtctggc cagcagtgac 240
agccgtctgg ggctgctgga tgatgatctg ctgggtctgg cctgctggcc tgcacctgca 300
cagcctgtcc accctggatc tggatctgtc caggtgggac caactggtat ttgctgcaaa 360
ccctgtgttc cagaaaca 378

<210> 201

<211> 403

<212> DNA

<213> Homo sapiens

<400> 201
caagtgaaaa taaaaattta ttccaagttc aaagtcatag agagggaactg aagtcatacag 60
gtgcaggact ggggtcagga aagggaagg actttgtgtg gctttatatg aagggaacag 120
tttaacatga ggaaggaacc atgaaccaga gataaagaaa gcctgtgcag aaagttaaag 180

gaccccttttc	ctgtttctta	gctgacaaag	actttcttca	gctagccata	aggcaactgt	240
caaatatcat	cacatttatc	ttgaaggata	aaatttggtc	aagctcaatt	gaacagcaag	300
aactagatgc	aaggaagaag	tcagccagga	tgactgtggg	gctgggtcat	ttctcagctt	360
gtagagact	gagcccagag	atagtcttta	gtccagactg	tta		403

<210> 202

<211> 393

<212> DNA

<213> Homo sapiens

<400> 202						
ttttagaagt	gacatattgt	tatatatttca	ccataggttt	gctttaagaa	atagtgtctc	60
cttcagaatg	gaagaattta	tctgcctctt	atttgatgtg	gatcagagct	aagatggctg	120
actaaataaa	catgggggac	tggaatctcc	ttggagatac	tctggaggaa	gttcacatcc	180
actccaccat	gattggaaag	atctggctca	ccatcctggt	catatttcga	atgcttggtc	240
tgggtgtagc	agctgaagat	gtctggaatg	atgagcagtc	tggcttcac	tcctgcaaag	300
aaacctaatt	gctacggggg	ccggaagagg	aataggtgcg	gctccgacag	ccagaggggc	360
gggcatacgc	agcctccctc	ggctcagcct	gct			393

<210> 203

<211> 395

<212> DNA

<213> Homo sapiens

<400> 203						
taaaaactgg	ctttaatgga	cattaacaaa	taatatacac	tgatttatca	cctttaagca	60
acaaaaacat	gacttgtaat	tattcaaata	aggtaggatt	tttctcttaa	gtacacttct	120
taaaagtcac	tcacaagaca	actgggcac	cactaagacc	aaggcactgt	gggggaggca	180
aacagcacaa	catcctcacc	tcaaggagct	cagcctggga	tgaagacaga	cacacacaac	240
tccagcatga	ggccaagggg	tagcctgtta	tgggatcaag	tgggtggcaga	atcaagaagt	300
ggttctgaaa	gtgttcttta	gtcacagaga	ccagtaggtt	tgaaacccag	tgatgttact	360
ttttaacttt	gtgccttacc	tactataagc	ctcag			395

<210> 204

<211> 115

<212> DNA

<213> Homo sapiens

<400> 204						
tttaattgag	acaaggtctc	agtatattac	taaggttggg	ctcgaactct	tgcgctcaag	60
gatactcctg	tctccacctc	ccaaagtgtc	gggactacat	cacagctcac	ttgaa	115

<210> 205

<211> 411

<212> DNA

<213> Homo sapiens

<400> 205						
ttttgaattt	acaaatgtat	ctttatttat	tttgtcttga	acttcacgtc	aatacagatt	60
ctgcattgct	caactaatga	atgcaggaag	gactgcatga	ggccagcacg	gcacgtcctc	120
acaccagcag	ttcttcttgg	tctgagtcct	ttcctggctg	cagcagagag	aacagagaaa	180
gcgcaacact	gtgttcatgg	tgctattgta	attaatgtat	tataattatt	ttgtatcttc	240

tgtagatct	tctgccttga	ttcccagtg	ccaaatacaa	aagtattgac	tactgtccct	300
gatgtgaaga	gcaggatcta	ttgaagccga	acacatcatc	tttcagttcc	aggtaggagt	360
gcagtaagaa	gagttttctt	acaggcatga	tcgctgtgat	ggataagtgt	g	411

<210> 206

<211> 414

<212> DNA

<213> Homo sapiens

<400> 206						
aaagagcttc	taacagcttc	tgtccattta	ttggttggat	gacaaatgaa	aaagtttctt	60
tggccttgac	aatctccatc	aaagaaacca	aataagcatg	ttaaggaaac	atacagtata	120
tgaacagtta	attcttgtat	tgcttggaca	tcaataaatc	taataaaaac	gaccaagaat	180
agtcactcag	ttttacaata	tagaaggcag	agaaaactct	gacactccaa	gttgtgaaga	240
caatgaaaca	ttccagtact	ccatttagagg	actttttgta	tctacagctg	cctgtgcttt	300
gaaggtaaaa	accagaatt	taaattcaaa	catattcagt	taatgcactt	atgcatttta	360
caaatttttg	ttctgggtata	gcatatgaaa	gggagctata	tctgccccca	tttc	414

<210> 207

<211> 382

<212> DNA

<213> Homo sapiens

<400> 207						
tttatatatt	aacacatctt	tattctcaca	gtgctagtca	acaacattgt	tcacaatcac	60
aatcctctga	gtggcacccc	aaaattgaga	aaggcagaga	aatgaataat	tcaataatgc	120
tgaaagtcac	caatgtaatc	aaaattccca	agaacaggac	agtaacagcc	ttacactgac	180
tattttgggtg	agaataacca	caaattgtagt	tttgatctag	gatgaaacca	aatgtgagga	240
gaatgattcc	agctattgct	cccagggcac	taagaaaatt	cattattcgg	ctcaatatta	300
tcagagtttc	tgtgggtttt	cttttcactg	caattaggag	ggctccagaa	ttaatgaaca	360
aaacagagcc	ccagaatgga	ta				382

<210> 208

<211> 252

<212> DNA

<213> Homo sapiens

<400> 208						
tttacttcca	tggattttta	tgttctaagc	taagtaagaa	tctcttcaat	aaagtgagaa	60
ttaaaaggag	aatggagcta	ggagttgaga	gaggcaacaa	ataatgagag	agcagaaagc	120
aatccacaa	aaaactgtca	catgacagag	gccagaatgg	agctgatgca	gctgcgtcat	180
ttcctacaga	cctagttgac	catgtggaga	agaggcttga	acaaatgggg	acgttctcca	240
accttccaaa	tc					252

<210> 209

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(429)
 <223> n=a,t,g or c

```
<400> 209
tttttttagtg tcagtagaag gtagctgtta tttattgttc tattctgggg taaaggtatc      60
agattctcaa agggattctt aatctagaaa gtttgcaag agatggcaaa ggtgtttgaa      120
agctatcagg aaaccatcct cgcgtaaaaac gaagcagcgc tacagaagtg ggctgccatg      180
ggaatcggga ggcccagggt ccactgctaa cttgctgcag cttactgggt gattgtctct      240
cgcgagaaga cgggccgcgc cggcgatacg gattccgagc gagtgggtgt ggtagtgggt      300
gtggtggcgg ccgagacgcg gcggccatat ttggtgaggc ctcgggagcg gcagacnngg      360
ttcagctggg agtagcgtct gccctttttc ccaccaccg tccgcattct tgtgctgcgc      420
gaagaggca                                         429
```

<210> 210
 <211> 412
 <212> DNA
 <213> Homo sapiens

```
<400> 210
tttggtagaa attggcaagc taattctaaa attaaatgaa atgcaaagga ccaggaaaag      60
ccaagagact cttggagaag caacacagtg gaagactttc actatcagat agcaagacct      120
tcaagttagt agaatgaaga gagtgaactta aagacttaca aagagaccaa caggacaaaa      180
aagaaagtcc agaaacatat ccacacatga atctttgact tatgacaaaa ttggctctgt      240
agagtagctg gaaagggaaa gtctttttaa taaattgttc tggattaatt tgatatccat      300
ctggggaaaa aaaaaaacia aaaacaatat tgacctctac ctcatgtcat acctaaaaat      360
caattccagg tggactgtag atttaaatgt aaaaggtaaa ataataaaac tc          412
```

<210> 211
 <211> 234
 <212> DNA
 <213> Homo sapiens

```
<400> 211
tttttttttt tttttttttt tttttattta ctcaagtgaat ttattgtaaa aataaagaaa      60
ctcaattatt ccagttaatg gatttcacgt taaatagttt aactttcaat gggctttctg      120
aagagctgtt cataggatga tatttggaag agtcctttcc ttaaggaaaa aaaggggtgaa      180
caataaataa agagttactt gcgttaacgg tcacgttatt tcattaaaag agag          234
```

<210> 212
 <211> 353
 <212> DNA
 <213> Homo sapiens

```
<400> 212
tttcttcatt ttcctagcaa ctaaaacgaa caaaaagaag tactgaaatg caggactgac      60
aacttaaaat aattccattt ttgtttctag tttttttcct gaacgttaaa gacttaaacg      120
ataatcactg cacatagaaa ctaagtattt ttgtcttaat tgaaaattag ttattaactc      180
ataaaaagat ataaaatatt cttcaaagtt aaagccctaa atttaaattg gtttatgtaa      240
gaaatccgtt gacactgatg aattaccctc actaaggctg ggaggaggag aataatcttc      300
catgtcagaa tctgacggac ttcggttttc ataacgacca ccacctgaac tcc          353
```

<210> 213
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 213	aggcaatcct ccttccttgg cctcccaaag tgttgggatt tcaggtgtga gccactctac	60
	ctggctgaga cttgctctca tttttaaat caaaaaatgt tttccataga tcggccgcct	120
	gtggaaaaag gtgactcagg cctgtaatcc cagcactttg ggaggcctag gtgggtggat	180
	cacctgaggt caggagttca agaccagcct ggccaacacg gtgaaactcc gcctctacta	240
	aaaatagaac aattatctgg gcatgggtggc aaatgcctgt gatcccagct attccggaga	300
	ctgaggcagg agaatcactt tagcccatga gacaggggat g	341

<210> 214
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 214	caggttcaag ttgaacagct cctctttaat caaagggaga acacagatgt atcaaacaga	60
	gtaggaaaga aatgtatcaa aagacagtag gaaagaaagc ctttccttct tgaaaggctg	120
	aggttgagag ggaaagctaa tttatcacta caactctatg gtagctttcc atgctaaatt	180
	ttccctgcct cttttgtgat tttttgatat ggaagagtag gggttatata ttctctgtaa	240
	caattaggcc atatttcctt ataccaagta gaggtgctca aacactgtag tggtattaaa	300
	gggctgagga gagtaactga agactggcat acagaactcc acctggagga c	351

<210> 215
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 215	ttttaatgtt gaagactcca ctcagtcatt tgagctccag gaagccttcc ctggccaccc	60
	ataagttaag agaaaagccc ctcttctgag ctcccagagc acccacttca tacctatgct	120
	atagaacaca ccgccaagga cggaaattat ccaaaggttt gtgtccattg attgccatgc	180
	caggcatcca gctctgctga agcacgcagg ggccctgact tcctcattag gtattctcaa	240
	cacctccacc agcagctggt aggcagcaga gctattgtta ctgagctgcc cacggaccaa	300
	tgatctatg aatgaacctg aacgtcttcc ctggagaaaa gcacttgctt gtcaaggag	360
	gaacaggggt ctgaaatgct aaccctgcc ctatagtatg ggtgtgcata cggtgca	417

<210> 216
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 216	tttattttta tttttgaaca atgagaacac atggacacag gaaggggaac atcacactct	60
	ggggactgtt gtgggggtctt tagagggggg agggatagca ttaggagata tacctaattg	120
	taaatgacga gttaatgggt gcagcacacc aacatggcac acgtatacat atgtaacaca	180
	cctgcacgtt gtcgacatgt accctaaaac ttaaagtata aaaaaaaaaa gtcaggaaac	240
	aacaggtgct ggagaggatg tggaaaaata ggaacacttt tacactgttg gtgggactgt	300

aaattagttt	aagtattgtg	gaagtcagtg	tggcgattcc	tcagggatct	ggaactagaa	360
ataccatttg	acctagccat	cctattactg	ggtatatacc	caaaggatta	taaatcatgc	420
tgctataaag	acatgcacac	gtatgtttat	tgtg			454

<210> 217
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n=a,t,g or c

<400> 217						
gatccagctt	attcttttat	tttcaagtcc	attcttgggg	ctggtgggga	ggcaggagaa	60
taccctccc	taagccctta	gtgtgtgccg	agcttgcttt	ntgatgttgg	caggggaggg	120
gagacctggg	tggtnctga	gttcccttta	tcaaaccctt	caatgggcac	aaaattgagt	180
gcttnnttnn	taggttttat	ttnnnnatga	atgtccaaat	ctgtgtttcc	ccctgccana	240
acagactgtg	tggccagttg	aaagtgtctt	ggtttgtggg	tcctctctcc	ctcattttct	300
tggaggcagg	gcctgaganc	cctgncanaa	tctcctatgg	ttntgaatcc	acggcttctt	360
tttgacatt	aaaggttgat	ttgatgc				387

<210> 218
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n=a,t,g or c

<400> 218						
ctcgagactg	aatcttgctc	tgtcgccctag	gctagagggc	agtggcgcaa	tctcagctca	60
ctgcaacctc	tgctctctgg	gttcaagcga	ttctcgtgct	tcanccacct	gagtacctgg	120
tattacaggt	ggctgccacc	atgcctggct	aattctgtat	tttttataga	gacaggtatc	180
tcattatgct	gccaggtctg	gtcctgaact	tctgagctca	agcaattcac	tcaccttggc	240
ctcccaaaag	tgctgggatt	acaggtgtga	gccactgcac	ctggttgaga	cactactttc	300
acacactttt	acatttcaca	cttctatgaa	gacaggtctt	gcaatctggc	aatgtctatg	360
atttagtggg	aggtagaagg	aggcccaggg	acagaaacat	aaactttcca	tgtcaggatg	420
ttggctgtga	caagcatgcc	caagactttg	gacatgattt	ttctgttcta	gatctgtttc	480
c						481

<210> 219
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 219

catggattca	ctctattgcc	caggctggag	ggcagtgggt	tggctcttgg	tcaactgcaac	60
ctccatttcc	caggetcaag	caattctcgt	gcctcagcct	cccaggtagt	tgggattaca	120
gtcatgtact	accatgcccc	gctaattttt	taatttcctg	tagaggtggg	tgtttgtcat	180
gttggttagg	ctggctctga	actcctggcc	tcaagtaatc	tgcccatctt	gacctcccag	240
agtgttagga	ttacaggtgt	aagccattgt	gcccggcctc	catgatttta	gaaacaccgt	300
ttttctttac	ttaatttttt	cttaattaga	aatgggcccc	gacatccaac	aagcaattat	360
tacttaattt	aaaaatttca	ggatttttaa	atatatgaaa	actctattta	caagcattta	420
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<210> 220

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(623)

<223> n=a,t,g or c

<400> 220	ccattgtcaa	gaaatttaat	atggcaccag	gagatttgca	taattgacct	atttggtttt	60
	ctgcatcaag	tttgggtgtc	tgttgacagaa	gctgagcatt	gacgggacag	aggcataaac	120
	tgcagcgctt	gataaaatag	agcccagtat	tctgaggtta	gtgaagaaaa	cacaaagact	180
	tgacagatgc	actcccagat	cgcattctcac	agtcattcaa	ggtttagggc	aaagcatttn	240
	catgtggagn	ngnaccttna	ccttntcccg	nccagtcatt	catcttgga	gttccttggc	300
	taagtctgca	gggaaggaga	agcagcaggc	ttgatttgca	tcaataaaaag	cagcgatctg	360
	tgctggccat	gctaaccctg	ttggctatta	gggggtgggg	gcactctgtc	aaggggagtc	420
	actgggacgg	tgtaggattc	agccttcaga	gcctgctggc	ctgaccgtag	aaggaggaac	480
	ctgcacacac	cctgctgggt	ttagttcacg	agcagctatc	aaagcctgtt	agccatcctg	540
	gttacctgct	tgtgccagan	agaacttact	gtcccaggta	agcnccta	tttttaagtc	600
	ttagttcctg	tcaaaggcca	ctt				623

<210> 221

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(457)

<223> n=a,t,g or c

<400> 221	ttttttgtgt	gaaaagcctt	cattgtgcaa	gcgtgccan	caaacaaca	ccaggtctgc	60
	gctggccgaa	gacgaagcgt	cctccctgga	gtcgggaaca	agtcacctct	gaccacacct	120
	cctctgacgc	catcacctcc	tcctggcccc	acccaagggc	tcgacacaag	ccccaaggctc	180
	ggggggagag	gggcggggcg	gaaccgaggg	cggaggcaag	gtgggattcc	aggaaggcct	240
	tccgaagatg	ggacgggtgg	tcctgtccct	ccaggtagct	tgtgggtgtg	gacagcagga	300
	cttgctggct	cagtgtgggc	acaaggacac	tgtgccactg	gttgagttag	tggtagggga	360
	ttggaggtgg	ctcccagagg	actccatctt	gcattggcct	ggccttgtgg	cttccagnag	420

gcttgccctg gctgtgggta agccangagc anatgcg 457

<210> 222
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n=a,t,g or c

<400> 222
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 acacaaaagt tgggaagaga aggatgtcaa ttagactaca tcaaaatctg ggcagaggga 120
 ggacaaagag ctgcctaaag aaactggtag ctggagcaaa ctgcagagnt caagatgacc 180
 ctagtccacg gaaccagcag cccaggncag ccacnttcag gngcaccacc cngggcacgg 240
 cagggagagc aaagttgctg gccccantca ttcctccttt tcagggcagg agaggcagaa 300
 gctcactntt tagacatggt cttga 325

<210> 223
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n=a,t,g or c

<400> 223
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 tattttaaagt aagttatttt ttacaacctc cttatataaa agatgtttat gaaagaaaaa 120
 attgagtgtg tctcgggtgcc atttttttta tgcaatgaat gatatccatg aaaaagggaac 180
 atctgaatct tttgttttaa aagacagtgc aggggtatagg tgggaatttat gggnggatac 240
 atcccggata aatttgccat aatggaaatg agggagaggt ggtataataa tttttttcta 300
 ctggttatccc ntctagggcc ctgacttgct cngcatgggg gcccaagggg gnggt 355

<210> 224
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n=a,t,g or c

<400> 224
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ataaacttcc	tcttccgttt	cttctctctc	ctcatctgtg	agattcagtt	gaacattatt	120
gaagcggggt	cttggtttgc	cgtctgggcc	atatgccgga	gatattcttt	tttgttataa	180
tgccaaggag	gcgcccattg	tgagttacaa	ggcactgcct	cagtcccagc	tttcggaaaa	240
tatccaccac	gatctccatt	ggggtgtggg	tctgtcactg	taaaaggggc	tcatgtcaag	300
gaatgcttcg	aagcttcaat	gggccgaggg	actttctgct	ggggaagaga	tgggggggnt	360
gctgtgcaaa	acacaccccg	aggaactgcc	cacgntaccn	tcttggtttt	tcccggggat	420
tttctntttg	caa					433

<210> 225

<211> 189

<212> DNA

<213> Homo sapiens

<400> 225						
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ttctctgacc	aaccttgaa	atacttcatg	tttctaaatg	tgcttctctga	tttttccaga	120
gtcataaagc	tgatgtgtgt	gtgggtgttg	ctgttttctt	cacagtctca	tgccagacac	180
acaacataa						189

<210> 226

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(222)

<223> n=a,t,g or c

<400> 226						
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ggggtaactt	gtgggttaaga	aaatggggga	ccacatctgt	tgagagagtgg	gcatttgaca	120
acaatggggc	aggtaccccg	catgtaaaat	caaaatntaa	gggtcttttt	aagggctgga	180
aaagttgctg	ctggggcatt	gcagttaatg	ggtcagacat	tt		222

<210> 227

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(570)

<223> n=a,t,g or c

<400> 227						
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taaggcacta	ccccagatg	ggaggggaag	gagggcnact	gtgaactcaa	gtntgagggg	120
gtcatctgca	nnaagaccgg	agttgcttcc	atgtcactct	cctctcaaga	gaagctgcta	180
tttcagggta	aatggagtct	gctctcatcc	atgggtaaaa	gtggattgag	acgntctaca	240
gaganttcca	tcttcttttt	aaggaacaca	tccgaacgan	ttcagaaggg	aaattttgat	300

atttaaaant	cagtgtctct	cacttcccac	tccatccncc	acctcccttt	ntaagctcag	360
agcacagcgt	tcctacgggc	cagccagggg	atctttccag	aaaggggntt	gagagtttcg	420
ggcccctgat	gggagcggct	catttgctgg	ccgtgaacgc	tgggtttccc	gtgatagctc	480
tcccaagggt	cagggcgtga	ttgtcatgtg	taccttcgag	gnttttnacg	gnctcagggg	540
catggcgtn	ggttcacgtg	atattcgtag				570

<210> 228

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(179)

<223> n=a,t,g or c

<400> 228						
ataagcctaa	agaacacaag	tagctaaagt	atgggtatat	atgctaataca	tagagagaaa	60
agcaataaca	ataggaaatg	tggtcctgaa	aataggcttg	tgaagataaa	tctacttcat	120
tctacccaaa	ccctttaaga	tacacattca	ttngtaagaa	tttaccaagc	atctgccat	179

<210> 229

<211> 388

<212> DNA

<213> Homo sapiens

<400> 229						
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gttttaaacat	ctcttggttg	ctatggaggg	tccaagaaga	aaacaaaatc	cattagtata	120
aaggtttgta	tttgctgtga	cctctattgt	cttgagagac	agagtagaca	gaagaaataa	180
caaagtgtgaa	gtcctggaat	atagatgagc	ttgtgatgaa	agacggaaca	gagtgaacgg	240
tcagagctgt	tggaggaaga	aagcaggaag	ggcaataaag	gtccaagtgg	tagccagagc	300
ctcggtttat	tctagatgag	aaggagatg	gtggagtcct	ttaagcagga	gagaaacatg	360
ttctgagtta	cattttttta	aaatgtaa				388

<210> 230

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(250)

<223> n=a,t,g or c

<400> 230						
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atatttttaag	gatgtgctca	agagtatgaa	gcaggggtgct	tttgcccttt	tctctcctcc	120
ctagtaattc	cctcctccct	atcccatagc	caagtagcca	cccccaaat	nagccattcc	180
tttttgcttt	catcaatggg	ctctgtgaag	ttggggtcgt	tgttcatgat	ggcggcgctcc	240

gcgctctctg

250

<210> 231

<211> 3041

<212> DNA

<213> Homo sapiens

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<400> 231
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gcaatatgga tgtcaatggg ggaggttggg ctgtaataga acatcgtgaa gatggaagtc 180
tagatttcca aagaggctgg aaggaatata aaatgggttt tggaaatccc tccggtgaat 240
attggctggg gaatgagttt atttttgcca ttaccagtca gaggcagtac atgctaagaa 300
ttgagttaat ggactgggaa ggggaaccgag cctattcaca gtatgacaga ttccacatag 360
gaaatgaaaa gcaaaactat aggttgtatt taaaagggtca cactgggaca gcaggaaaac 420
agagcagcct gatcttacac ggtgctgatt tcagcactaa agatgctgat aatgacaact 480
gtatgtgcaa atgtgccctc atgttaacag gaggatgggtg gtttgatgct tgtggccctc 540
ccaatctaaa tggaaatgttc tatactgctg gacaaaacca tggaaaactg aatgggataa 600
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ctttagattt ttgaaagcgc aatgtcagaa gcgattatga aagcaacaaa gaaatccgga 720
gaagctgcca ggtgagaaac tgtttgaaaa cttcagaagc aaacaatatt gtctcccttc 780
cagcaataag tggtagttat gtgaagtcac caaggttctt gaccgtgaat ctggagccgt 840
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tggttaaatg ttaatggatt tcagaagcct aattccagta tcatacttac tagttgattt 1260
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gaaaaagaaa tgaacataat caagtaagga tgtatgtggg gaaaacttac caccctcata 1440
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aatatttcct ttgatattat acaggaaagc aatatttttg agtatgttaa gttgaagtaa 1620
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tg	gtggttc	ttcatagcag	gtaagcctct	ccttctaaaa	acttctcaac	tg	tttttcatt	2640
ta	agggaaa	aaaatgagta	ttttgtcctt	ttgtgttcct	acagacactt	tcttaaacca	2700	
g	tttttggat	aaagaatact	atttccaaac	tcatattaca	aaaacaaaat	aaaataataa	2760	
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cca	attattt	ataataaatc	agtataaaat	gttttatgat	tg	tatgtgt	attatgtaat	2880
ac	gtacatgt	ttatggcaat	ttaacatgtg	tattcttttc	atttaattgt	ttcagaatag	2940	
gata	aattagg	tattcgaatt	ttgtctttta	aattcatgtg	gtttctatgc	aaagttcttc	3000	
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<210> 232

<211> 1311

<212> DNA

<213> Homo sapiens

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gg	gcaggggtg	cag	cgagggc	gt	gtgggggtt	gat	gtgtgag	ggg	gccccca	tg	cgggcaca	180
cag	tcccatc	ct	gaacatgg	agg	gtacca	gat	tggtagg	tgg	accaggg	aag	ctgggaa	240
acc	ettgtct	ctt	cccagga	ggg	tgggggc	act	ggcaggg	tgg	tgtgat	gc	gtggctta	300
tg	cttgcttg	ac	aggtactg	tg	actagtgg	ct	gccccctc	cc	ctctctga	aga	agaatgt	360
gg	cgatgggt	tat	gtgcct	gc	gagtacag	tc	gtccaggg	aca	atgctgc	tg	gtagaggt	420
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agg	gggttagt	ca	agaagctg	agg	cagaact	ca	ctgggggt	ggg	cagttaa	ggt	ggaggct	600
gat	tctaatt	gt	ctgggtga	ggg	gccacac	ca	ctatttcc	ccc	accta	ct	catgccat	660
tcc	agcttcc	tt	caggacc	tg	cttctgag	tg	acggacca	gc	tcacaca	tg	tctgttt	720
cag	tccatga	tccc	actgac	ct	actcttgc	ct	gtctggagg	gt	aatgagaa	gc	tttggttc	780
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gg	ataaaacc	tk	cccaacct	ac	ctcaccat	gg	ttttttcac	att	gcaaagg	gt	aataacat	900
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ggg	gatggct	gag	gaacat	ag	actcactc	tt	ccacattc	cc	aagttgg	ct	agtgtgct	1080
gccc	agtagc	aa	accatggc	ag	actcacca	cc	tattctga	gt	tccagggc	tg	ctgtaggg	1140
cagg	gtgggc	tt	cctcccag	act	tgcctta	cc	ctgggctg	at	ctttgccc	ct	ggtatgca	1200
tta	atggact	cc	actgaatc	ct	gaaaaaaa	aa	ttaaactt	cc	ttcttact	tg	ccagtctc	1260
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<210> 233

<211> 1206

<212> DNA

<213> Homo sapiens

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cat	tttttgg	ga	agaacttg	aa	gacttct	ta	agaagaaa	tat	gaagggc	act	ggtatcc			180

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<210> 234

<211> 3058

<212> DNA

<213> Homo sapiens

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tactttgtac	actactttgc	ccccgagggc	ctaaccacaa	tgcccaagaa	tgtggtcttt	960
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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 423

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 249

<211> 2595

<212> DNA

<213> Homo sapiens

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<210> 250

<211> 1923

<212> DNA

<213> Homo sapiens

<400> 250

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<210> 251

<211> 1029

<212> DNA

<213> Homo sapiens

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<211> 2678

<212> DNA

<213> Homo sapiens

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<211> 2373

<212> DNA

<213> Homo sapiens

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<211> 2393

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<213> Homo sapiens

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<211> 2542

<212> DNA

<213> Homo sapiens

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<211> 798

<212> DNA

<213> Homo sapiens

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<211> 2685

<212> DNA

<213> Homo sapiens

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<211> 1972

<212> DNA

<213> Homo sapiens

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<210> 259

<211> 1857

<212> DNA

<213> Homo sapiens

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<210> 260

<211> 2553

<212> DNA

<213> Homo sapiens

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<210> 261

<211> 2258

<212> DNA

<213> Homo sapiens

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<210> 262

<211> 1100

<212> DNA

<213> Homo sapiens

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<211> 4198

<212> DNA

<213> Homo sapiens

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<211> 210

<212> DNA

<213> Homo sapiens

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<211> 231

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 3922

<212> DNA

<213> Homo sapiens

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<211> 2847

<212> DNA

<213> Homo sapiens

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<211> 1805

<212> DNA

<213> Homo sapiens

<400> 288

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<210> 295

<211> 168

<212> DNA

<213> Homo sapiens

<220>

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<210> 296

<211> 304

<212> DNA

<213> Homo sapiens

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<211> 701

<212> DNA

<213> Homo sapiens

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<210> 298

<211> 1953

<212> DNA

<213> Homo sapiens

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<210> 299

<211> 649

<212> DNA

<213> Homo sapiens

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<210> 300

<211> 4003

<212> DNA

<213> Homo sapiens

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<210> 301

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 301

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<211> 522

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<213> Homo sapiens

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<211> 271

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<213> Homo sapiens

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<211> 278

<212> DNA

<213> Homo sapiens

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<210> 306

<211> 518

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(518)

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<210> 307

<211> 491

<212> DNA

<213> Homo sapiens

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<222> (1)...(491)

<223> n=a,t,g or c

<400> 307

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<211> 260

<212> DNA

<213> Homo sapiens

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<210> 309

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(169)

<223> n=a,t,g or c

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<211> 313

<212> DNA

<213> Homo sapiens

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<211> 2922

<212> DNA

<213> Homo sapiens

<400> 314

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<210> 315
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(371)
 <223> n=a,t,g or c

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tatcatatag acaggcttct gatagtttgc aactgtaagc agaaacctac atatagttaa    180
natectggnc tttcttggtt aacagatttt aantttctga tataaancan gccncaggag    240
aattcgggga tttnagggtc ncngaatagc ctatatatgg tgcateggnt aggtcnttat    300
tgattttttg acccttttcg gctttacctn atgggaagac ccngttcntt tttaaatnat    360
ccnggttttt g                                     371
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<210> 316
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n=a,t,g or c

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<400> 316
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gaagatgggt atcatcacca ccaagagcgt gtccaggtag cgaggtcagg agcactgcct    120
gcacccaag ctgcagagca ccaagcgctt catcaagtgg tacaacgcct ggaacngaa    180
gcgcagggtc tacgaagnat aggggtgaaa acctcagaag ggnaaactcc aaaccngttg    240
ggagncttgt gcaaaggnet ttgcagntta aaaaaa                                     276
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<210> 317
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n=a,t,g or c

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<400> 317
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ggggcagagt catacgtgtg gccaggaagt agccagggtg aagagagact cgggtgcgggc    120
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agggagaatg	cctgggggtc	cctcacctgg	ctagggagat	accgaagcct	actgtggtac	180
tnaagacttc	tgggttcttn	ccttctgcta	accagggag	ggtcctaaga	ggaagggtgac	240
ttctctctgt	ttgtcttaag	ttgcactggg	ggatttctga	cttgaggccc	atctntccag	300
ccagccactg	ccttctttgt	aatattaagt	gccttgagct	ggaatgggga	aggggggncaa	360
gggtcagtc	ntcggggtng	gn				382

<210> 318

<211> 344

<212> DNA

<213> Homo sapiens

<400> 318						
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aaagccccac	aagagaaaat	ttatgaagat	tggggtgagc	cctcctgcta	agcagctgcc	120
agggggcaga	attcacttct	ctgggttatga	caatgaccga	ccaggcaatt	tgggtgtatcg	180
cttctgtgac	gtcaaagacg	agacctatga	cttgctctac	cagcaatgcg	atgccagcc	240
agggggccagc	gggtctgggg	tctatgtgag	gatgtggaag	agacagcagc	agaagtggga	300
gcgaaaaatt	attggcattt	tttcagggca	ccagtgggtg	gaca		344

<210> 319

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(466)

<223> n=a,t,g or c

<400> 319						
gatcccatgg	ctttctttac	tgggctctgg	ggcccccttca	cctgtgtaag	cagagtgctg	60
agccatcact	gtttcagcac	cactgggagt	ctgagtgcga	ttcagaagat	nacgcgggta	120
cgagtgggtg	acaacagtgc	cctgggggaa	agccataacc	atcgggctcc	tcgctncatc	180
catgtctata	agaagaatgg	agtgggcaag	gtgggcgacc	agatactact	ggccatcaag	240
ggacagaaga	aaaaggcgct	cattgtgggg	cactgcatgc	ctggcccccg	aatgaccccc	300
agatttgact	ncaacancgt	ggtcctcatt	gaggncaacg	gggaaccctn	tngngnagan	360
gtattnaaga	cacngtnccc	acctaggctg	tggnggggtg	aaggcgagct	tttcccaagn	420
tgggtgggcct	tngttnagan	ctttgtgttg	ngtttgggnc	nngnta		466

<210> 320

<211> 2409

<212> DNA

<213> Homo sapiens

<400> 320						
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tacaagcggg	ccacgctgga	cgaggaggac	ctggtggact	cgctctccga	gggcgacgca	120
taccccaacg	gcctgcaggt	gaacttccac	agcccccgga	gtggccagag	gtgctgggct	180
gcacggaccc	aggtggagaa	gcggtctggtg	gtgttggtgg	tacttctggc	ggcaggactg	240
gtggcctgct	tggcagcact	gggcatccag	taccagacaa	gatccccctc	tgtgtgcctg	300
agcgaagctt	gtgtctcagt	gaccagctcc	atcttgagct	ccatggaccc	cacagtggac	360

ccctgccatg	acttcttcag	ctacgcctgt	gggggctgga	tcaaggccaa	cccagtcctt	420
gatggccact	cacgctgggg	gaccttcagc	aacctctggg	aacacaacca	agcaatcatc	480
aagcacctcc	tcgaaaactc	cacggccagc	gtgagcgagg	cagagagaaa	ggcgcaagta	540
tactaccgtg	cgtgcatgaa	cgagaccagg	atcgaggagc	tcagggccaa	acctctaattg	600
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aatgactaca	ctgcagttcc	agacctctac	tttgaaaatg	ccatgcggtt	tttcaacttc	1620
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cagaccgagt	gcatggtaga	gcagtacagc	aactacagcg	tgaacgggga	gccggtgaac	1980
ggcgggcaca	ccctggggga	gaacatcgcc	gacaacgggg	gtctcaaggc	ggcctatcgg	2040
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accaataacc	agctcttctt	cctgggcttt	gcacaggtct	ggtgctccgt	ccgcacacct	2160
gagagctccc	acgaaggcct	catcaccgat	ccccacagcc	cctctcgctt	ccgggtcatc	2220
ggctccctct	ccaattccaa	ggagttctca	gaacacttcc	gctgccacc	tggtcacccc	2280
atgaacccgc	ctcacaagtg	cgaagtctgg	taaggacgaa	gcggagagag	ccaagacgga	2340
ggaggggaag	gggctgagga	cgagaccccc	atccagcctc	cagggcattg	ctcagcccgc	2400
ttggccacc						2409

<210> 321

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(457)

<223> n=a,t,g or c

<400> 321

cgtcatacaa	tcttggagtc	ctgcatttgg	atggcatctt	ccctggagtt	cctggaagga	60
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atcaaacttt	agctggtgaa	tatttccata	aggctgcgca	aggaggacac	atggaaggga	120
ccttggtggtg	ttctctctac	tatatcacag	gcaacctgga	gacattccct	agagatcctg	180
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tccgcaaagg	cctcaatgcc	tacctgggaa	ggttcatggg	catgaagctt	tgctgtatta	300
tgtttttagca	gcagaaactg	ggaattgaag	tgtcacagac	aaatttagca	cacatctgtg	360
agggagaggc	cagacctggc	caggggagat	antttgggtn	tttaactntg	ttttgggaga	420
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<210> 322

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(411)

<223> n=a,t,g or c

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	gtcatcttta	gaagttatca	ggaatgtgtt	taaaacaaga	agagaacttt	tctaaggaat	120
	gatacataga	aaagattttta	ttttaaaatg	agttgtaaag	cttggtgtttc	tttggttgctg	180
	caagctatct	gccaagtta	atgcaaattg	acacattttt	tatgtcagaa	aaacacacac	240
	acacacacac	acacacacac	acacacacga	aaaacaaagg	aaaaaaatgc	ttgagctttt	300
	tctaacttcc	ccttgcatgc	tggtgtgtga	gcagcctgtt	tatttctct	aatattatgt	360
	cagtttatcc	tctttaatgg	gantgttaaa	aaatgttatt	cacaggagtg	c	411

<210> 323

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(462)

<223> n=a,t,g or c

<400> 323	gctggggctt	agctgggagg	tggtctgaag	cagacagggg	atgggagagg	nggatgggaa	60
	gtagacagtg	gctggtatgg	ctctgaggct	ccctggggcc	tgctcaagct	cctcctgctc	120
	cttgctgttt	tctgatgatt	tgggggcttg	ggagtccttt	tgctcctcatc	tgagactgaa	180
	atgtggggat	ccaggatggc	cttccttcct	cttacccttc	ctccctcagc	ctgcaacctc	240
	tatcctggaa	cctgtcctcc	ctttctcccc	aactatgcat	ctgttgtctg	ctcctctgca	300
	aaggccagcc	agcttnggag	cagcagagaa	ataaacagca	tttctgatga	aaaaaaaaaa	360
	aaaaaaaaacc	gcggccgaaa	gcttattncc	ctttaagtaa	ggggttaatt	tttagcttgg	420
	gcactnggcc	ntcgttttan	aacgtcgtga	attnggaaaa	cc		462

<210> 324

<211> 2088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2088)

<223> n=a,t,g or c

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<400> 324
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cttttctttt agtgttcttc tgaacaacag ggagaatata tctgatccca cctcaccatt 120
gagaaccaga tttgtgtacc atttgtctga cctgtaagat atattttttt ccatagtaat 180
atagatgtgg aagttaatag cttttaattt taaccttggt agtaagaatg tttttaaaaa 240
tatgttggag tataaacatt tacaacata atctgaactt ttgaatacat taattcctat 300
gttaattatt aggtatcata aattcataaa actttgtcac agataaaatt tagctataca 360
ttttttctaa agaaaaaatc attggcattc atagaaaggc caatttctct taatagttca 420
ataagtnat ttgatcttat aaaaaggcag gtgtttcttt ggaaatgaca gactccaaca 480
tcaatttttt taaaaattct ccttttcttg tcactataaa taacttgttt agacagatat 540
acagttggga ataagcctaa cacagtagaa attgctgtat ggtgtagata aaacaatcat 600
attatcatat cattaattat attgcttact ttcaactaat atatattaaa gattggaaaa 660
tcccataagc tattctgtat tgtagagctg cttatgtctg aaaggagtca tcccttgctg 720
tcatgtcaga gctgcaagaa ctaattgatt ttggattgaa atgtgtagtc acattttgag 780
acagcatttg aggggattgt ctaatacata tatttgcttt tcagctgtaa aaaatgtgat 840
cctacagaag tggagctgga taatcagata gttactgcta ccagagcaa tatctgtgat 900
gaagacagtg ctacagagac ctgctacact tatgacagaa acaagtgcta cacagctgtg 960
gtcccactcg tatatggtgg tgagaccaa atggtggaaa cagccttaac ccagatgcc 1020
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ccattttgat tcagaaagtt agcatattta ttaccaatga atttgaaacc agggcttttt 1140
tttttttttg ggtgatgtaa aaccaactcc ctgccaccaa aataattaaa atagtcacat 1200
tgttatcttt attaggtaat cacttcttaa ttatatgttc atactaagta tcaaatctt 1260
ccaattatca tgctcacctg aaagaggatg gctctcttag gaatacagtt tctagcatta 1320
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atgttctctg cattcccccc cgcttttttt tttttttttg actttgcctt ggagagccag 1440
agcttccgca ttttctttac tattcttttt aaaaaagtt tcactgtgta gagaacatat 1500
atgcataaac ataggtcaat tatatgtctc cattagaaaa ataataattg gaaaacatgt 1560
tctagaacta gttacaaaaa taatttaagg tgaaatctct aatatttata aaagtagcaa 1620
aataaatgca taattaaaa atatttggac ataacagact tggaagcaga tgatacagac 1680
ttcttttttt cataatcagg ttagtgtaag aaattgccat ttgaaacaat ccattttgta 1740
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ttaaatagat tcataagcat atacctgtgt gaaataaatt gttggaaaaa agtttcctta 1860
tgtttaacttt ctttacgtaa gtttaacttg tattgatgaa tggtttgtaa gtatgatgta 1920
atgaagcatt aatcacagaa ctaatacatg tacatatatt aggtggcttt gccattttat 1980
acccataatt aaataaaaagg gcaaaatccc ccctgataaa taccatgttt atcatggcac 2040
ataaaacttt atggcagttt ccaaggccaa ttgacatata tatttaaa 2088
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<210> 325

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(458)

<223> n=a,t,g or c

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<400> 325
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ctttcataca cattgtctca attcctgtga ggtcagaatt atctctgcat ttgaaacttg      120
aggaaacatg ctcagagtgc aagaagcttc cttgcctgag atcacctaga aaggaaccct      180
cagagccggc aactgaatct tggtcctgt gatgtcaagc ccattgctct nccactncag      240
aacatggcct ctagattaat gccaccgatt caggaacacc tccgacagtt ttgaaatacc      300
cccatgttgc cttgtttgtt ttttccttct gggcttcttc tattacagtc tctttcattg      360
ggaaggctct gttagggcca agggccagga ggctggatta ctggacacgg gagtcccaat      420
gtcaggattn gccancattc aggatngctt gggggggtt      458
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<210> 326

<211> 1574

<212> DNA

<213> Homo sapiens

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<400> 326
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gctccagctg gagggtacct tttaagctgt tcaagggtcaa gatgaataca aactcaaagg      120
agggttttatc cctgggtgtt caagtccccg aggcattggga agaacttctg acaatgaaag      180
tggaagcaaa aagtcacctt caatggcagg aatccagact gaaacgcagt aatccactgg      240
caagggaaat cttccgaagg cacttttcgac agctgtgcta ccaagagacc cctggaccaa      300
gggaggctct tactcgactc caggaacttt gctaccagtg gttgaggcca catgtgagca      360
caaaggagca gattttggat ctgctgggtgc tggagcagtt tctatccatt ctgcccaagg      420
agctccaggg ctgggtgagg gaacactgtc cagagagtgg agaagaggct gtgattttgc      480
tggaggatct ggagagagag ctcgatgaac cacaacatga gatggtggcc cacagacaca      540
gacaagaagt cctctgtaaa gagatgggtgc ctctagcaga gcagacacca ctgacccttc      600
agtcccagcc taaggagcca cagctcacat gtgactctgc tcagaagtgc cattctattg      660
gagagacaga tgaagtaacc aagactgagg acagagagtt ggtgctaagg aaagactgtc      720
ctaagatagt ggaaccacat gggaaaatgt ttaatgagca gacctgggag gtatcacagc      780
aggatccctc acatggagaa gttggtgaac ataaggatag gatagagagg cagtggggaa      840
acctcttagg agagggggcaa cacaaatgtg atgaatgtgg gaagagcttt actcagagct      900
caggctctcat tcgacatcaa agaattcata ctggagaaag accttatgaa tgtaatgaat      960
gtgggaaagc cttcagtcga agttctggtc tttttaatca ccgaggaatc cacaatatac      1020
agaaacggtg cactgcaag gagtgtggga aggtcttcag tcagagtgcg ggtcttatcc      1080
agcatcagag aatccacaaa ggagaaaagc cgtatcagtg cagccagtgc agtaagagct      1140
acagtcggcg ttcattttctc attgaacatc agagaagcca cacaggggag cgacctcacc      1200
agtgcattga atgtgggaaa agctttaatc gacactgcaa cctcattcgc catcagaaga      1260
tccacacagt ggctgagctg gtctagggct tggctatgag caagttttcc agatcaccac      1320
ccaagttgtg tggggcaggt tgagactaga aaatgcctct ttcttccttt ctccatgaaa      1380
tgtgtttgaa acaaatectg acttaaggcc cagggacttc cttaaaggaa agttgggtgt      1440
ttgaagctac tgttttctct tttgttctact ttacctcttt cttactctta ctagctgtgt      1500
ccctcttatt tataatttat ttatTTTTTT gagatggctg ctaaaccctt ctaataatat      1560
aataaatggc actg      1574
```

<210> 327
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n=a,t,g or c

```
<400> 327
gggaagttta ctgggccatc acagactttt gttctagtga ttgtatgtat taggagtcac      60
agcatgccct acggagatct ggattcttat acactaagat gtgtcttaag aatcacagtg      120
cgtgcttcat ccttttattg aagaacagaa aattatgact actctacaag gtggataata      180
ttttggtacc tgtggctggc cacagccctg ttctctcaaag ctgaattgat agatttctct      240
ttgacttcca agacctagca gttataaggc accttgaaat aaattgtttg tgcctggaaa      300
tgcagggagg gcaatagctt tgtaaattgg nttacatttt tctccttgaa tttttctagg      360
gtcctagtgc ttccgaatca tttaatggca ttgtcggata tccttttaca tttcaattgc      420
aatccatgaa attacattta gaagattctt agtacttaac ggtagtcttc ccatgaattt      480
```

<210> 328
 <211> 386
 <212> DNA
 <213> Homo sapiens

```
<400> 328
cttaaaacca actttccatc cgagaagcct cctcagtagt tactctgctc atgagacaga      60
tctgggctcc aagccaggaa aggtgaacag aaaccacaag tgtccagccc tcggtgctgg      120
agtggacgtt aattgtcagc caccagactg tcccggcacc tacagagaat gtttcacagt      180
tctggcattt aaatcctttg atagtggatt gtgctgctgt tagccttagt ttcagtgcct      240
tacaagtctc gcttattatc tcattgggat ttaggtatac aaaacagttg attattcacc      300
acgccaatat ctgggtctct gtatctcatg tagaacataa gaaaatggga actaataggg      360
aactttattt atagcatgaa aataaa                                386
```

<210> 329
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n=a,t,g or c

```
<400> 329
gataaaagca gggttggcct cagcctgtgg tctgtctcat gctctccctg ttctctctcc      60
cgccacccca gggcctccaa gccacctctg gaaataacttg gctctgccca tgcacngcgg      120
aggggcgcca cgtgcgagct gtggaattgg gccccgtggc agagcccatc cccttggggg      180
tcgtngggga tgcgccaag cccccgaggg agaggcctgg ggacaccaac aaatctaagc      240
cctccctagc tgcttggtaa ctgtgtcatg aagctgccgg acagacacac gtggcatctc      300
```

cctgggcagg	agagcaggcc	tgcagcatgg	gtcctgttcc	cgtgtgccgt	gggtggcagt	360
ggctgcacct	ggcactaggg	ctgctctgtg	gatgtgggtn	acaacggcag	gaggggatgc	420
tggcctt						427

<210> 330

<211> 327

<212> DNA

<213> Homo sapiens

<400> 330						
ctggaaggaa	cggatgggcc	tctagtgaca	gatccagaga	cacacaagag	caccaaagca	60
gctcatccca	ctgatgacac	cacgacgctc	tctgagagac	catccccaag	cacagacgtc	120
cagacagacc	cccagaccct	caagccatct	ggttttcatg	aggatgaccc	cttcttctat	180
gatgaacaca	ccctccggaa	acgggggctg	ttggtcgcag	ctgtgctgtt	catcacaggc	240
atcatcatcc	tcaccagtgg	caagtgcagg	cagctgtccc	ggttatgccg	gaatcattgc	300
aggtgagtcc	atcagaaaca	gggagct				327

<210> 331

<211> 476

<212> DNA

<213> Homo sapiens

<400> 331						
aggcggtggt	gttcgtcttc	tctctcctcg	attggtgcgc	gctcatcttc	ctctcggctc	60
acttcataat	tacattgtct	gatttagaat	gtgattacat	taatgctaga	tcatgttgct	120
caaaattaaa	caagtgggta	attccagaat	tgattggcca	taccattgtc	actgtattac	180
tgctcatgtc	attgcactgg	ttcatcttcc	ttctcaactt	acctgttgcc	acttgggaata	240
tatatcgata	cattatgggtg	ccgagtggta	acatgggagt	gtttgatcca	acagaaatac	300
acaatcgagg	gcagctgaag	tcacacatga	aagaagccat	gatcaagctt	ggtttccact	360
tgctctgctt	cttcatgtat	ctttatagta	tgatcttagc	tttgataaat	gactgaagct	420
ggagaagccg	tggttgaagt	cagcctacac	tacagtgcac	agttgaggag	ccagaa	476

<210> 332

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(352)

<223> n=a,t,g or c

<400> 332						
ctnntttttt	tttttagact	gattctccct	ctgtcaccag	gctggagtgc	agtgggcaac	60
agagtgagac	tccgtctcaa	aaaaaaaaaa	aaaaccaaac	ccgtatgttc	ttttaattta	120
tactatgtat	acatttttct	tatattagct	tagtagttct	tagaaaagaa	aacctcatta	180
atltgaatct	tcttatatgc	aatctgngat	tattcagaca	gggtgaagct	gaaatttaca	240
tttaaaattat	aaatttttaa	atgtttgcag	tccaattgaa	tcctataagg	taagagtcta	300
gaaaaaagtt	attaaaaaat	aaacatttta	agtgctttta	aacacacact	tg	352

<210> 333
 <211> 456
 <212> DNA
 <213> Homo sapiens

```
<400> 333
tagttataga gctaattggc ttttatttgt gatttatgaa ttaaagcagc accactctac    60
aagtacagtg atagctcccc ctgggcaata caatacaaga acagtgggtt ttgtcaaatt    120
ggaacaagga aacagaacca cagaaataaa tacattgggtt aacatcagat tagttcaggt    180
tacttttttg taaaagttaa agtagagggg acttctgtat tatgctaact caagtagact    240
ggaatctcct gtgttccttt ttttttttaa ttggttttta ttttttttaa ttggatctat    300
cttcttcctt aacatttcag ttggagtatg tagcatttag caccactggc tcaatgcgct    360
cacctaggtg agagtgtgac caaatcttaa agcatttagt ctattatcag ttaccaccat    420
ttgggggctt ttatcccttc atgggttatg atgggtc                                456
```

<210> 334
 <211> 429
 <212> DNA
 <213> Homo sapiens

```
<400> 334
tggagataaa aacagcgaag tcccacatac cataccctac aagacacaag gtgcgcagac    60
gagccttggg aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc    120
agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcgggtggg    180
tcagtggcag agggccatgg ttcccatgtt aaggaagcgg acgtgcatct tggctcfaat    240
gtcgatcccc tgccagatct tcaggaagtc ctgaagggtg atccccctcg acacctgac    300
aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg    360
agcgagcggg ctcttctctg atgtgagggt ttcccgcagc cagctcctcg accactttac    420
atttcgagg                                429
```

<210> 335
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n=a,t,g or c

```
<400> 335
tttttttttt ttttttttaa gttaaagatt cttttattaa taaattctcc ctccccctcca    60
aactctcccc aaaataaata tctcctcccc gctttgggga gttggggggg tctgtatctt    120
agggccagcc ctctagtggt gccagcnccc tagtggttaa aatagggtccc taacccccca    180
gggtgacccc cgtggtggaa tttcaggaca tctgagttag tggggcctag tgtcaagtct    240
gccccccaag tcagcctggc ccccaggntc ctaaggaagg agggcacccc cctccccctgt    300
gcaaagtctg cagttcctta gtcagtgtca gctgttttgt gtgagccagc gtgaggctcc    360
ctttctgttc tggagccaga ggagnggcaa ccagacanct tgggaaggttc ccctgaaccc    420
tgggcccagg ctncggagggt gattcacgcc ccnaaacccc ttgtggttgg aggagcttgg    480
ctccggccgc gtctgggagg cagagaantg ggctctagaa tggatgaatg aatgatgaat    540
```

gggcnagccc gg 552

<210> 336

<211> 325

<212> DNA

<213> Homo sapiens

<400> 336
 tttttaacat aagtataaat ttactatcca cctagtggta gctaggtaaa attgcaggca 60
 taaagataaa aaagaaatca tcaactttgt agttcctcag cttcaaacc aaacctgcaa 120
 gggagaggag agaccagac gcctcaggga ccaggcagat aatacaaata aatgaaacag 180
 gccagggtgag agagtacaag tcttgccaaa agaagaaacc cctacttagt ttcaattgat 240
 tgtcctcttc tgaaaatgca gatcagaatt gccacacatt ctgaccgatc gagagaggcc 300
 agaaattcta attttactcg tgccg 325

<210> 337

<211> 401

<212> DNA

<213> Homo sapiens

<400> 337
 gattaagaaa agctaaatth atattaaatt atcataaagt cctaaaatac tgaacatagt 60
 ggttaaataa ctccagaaag tccaatctct ccagttagta acgttaaaac cattacacat 120
 gagcatggga gaatcgcttc cattagttta ggacagagag attttgcttt ttacagagta 180
 aatcagtgct caaatagata ctccctcaaa tatgtccttt ctacattctg aacagcccaa 240
 gtgcaataag atccttcccc ctttccaatc aagaaaatgc cacttttcta cttgctcttc 300
 ctccccagac atgagtctaa ggacccaaag tgctcactcc tttactgctt gttaagtgt 360
 atgtggggag gctcagaact ggggctgacg ctactgagag c 401

<210> 338

<211> 154

<212> DNA

<213> Homo sapiens

<400> 338
 tttttttttt ttttttttta gagatggaat cgcaagaatt cccaggccct ctttttattt 60
 acagtgatac caaaccatcc acttgcaaatt tctttggtct cccatcagct ggaattaagt 120
 aggtactgtg tatctttgag atcatgtatt tgtc 154

<210> 339

<211> 401

<212> DNA

<213> Homo sapiens

<400> 339
 ttttttacgaa accagggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
 tcacatatat acacgtatgt acaggaagaa cctagtgttt ctacttttcc cggcagaagg 120
 ccttgccagc ccagagtctt tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
 acgagagcgt tagtgcgaca gaggcctctg tcttccctct tctcaaagtc ccatgattct 240
 gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcagggttat 300
 tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
 atcgaacata ggtataaaag gtaaaatata tgtacaaagt a 401

<210> 340
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 340	cacgtgaaaa aaagttttat ttagggagct ccaggggaatg cgggtgggaaa ggagaggtgc	60
	agtgtcattg ccgccctctc ctcccaccta gtgcattaat agtggatggg agcatctgac	120
	agaagtgaga tcaggcagtg ggtgtctgca cccacagcg catgttggct ggaacagcaa	180
	agtctatctg ctgaggttta ggcaagttca ggttgcccat gattttgaca aactcctcac	240
	agctgagggg gagccgaggg ttccagagtc tctcctcctc cacggtggac actgtgaacc	300
	catggtaatc gtgagcaggg tagatcagac agtctcctgg aagtgtgaag atcttttcat	360
	ggaccgagtg gtaaag	376

<210> 341
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 341	ttctctttgt ccagttcctt tattgggggc agggcaccaa gaagaggccc tccgctcccc	60
	aaaccagag gcaaaagggg ttggcacgct ccctcccagc ctagtctctg cgtcactgtc	120
	catgggcaat tctctgccc tgcattctca ggccatgtca ggtagaggtg tccatctcag	180
	ggacctcagt ggacacttcc gtgggcactg ccagccgctt ggggggcaca taggatccca	240
	taccgctgc cctctccgcc tcttctctgac tgtagggctc gacgctcagc tgcttcagcc	300
	ttttctttgt gtctttggat cggaagtggg tcttcaggtt ggtggaatcg atgaagtacc	360
	tcgcgaggc cagacagcg tg	382

<210> 342
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 342	tttttttttt tttttttttt tttttttttt ttttctgtta caaacaggtc tttattaaag	60
	atgagaagcc aggtctttat taaagatgag gagggggcag gaaagggggg cagtgtcctt	120
	ctaccactg cctttgctg cccgggggtga gggagccctt ctgctccacc catgcccccc	180
	atgatggcac atctgtatga ggctgaggca tggggggcag tgtgaagaac aggggcaggt	240
	tccaagaaaa agaagaaaaa cccttcccac agccctaata aataacagaa gggtttggga	300
	tgacctgggc acaggc	316

<210> 343
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 343	ccagtcgggt tggagtttat ttctgccaga gcctggaggc tgggagggtg aaggacactc	60
	ctttagtccc agaggggaagc tccgaaccct cagagcaacc agaaggagg gacagacatg	120
	ggcagcagca ggagtgaag gggccccctt gtctgcccc tttgcaaggg ttcaaggctg	180

gtggaggcct	ggggcttctg	tcgtcagga	gttcaggggt	ggacgcagaa	atgggggaag	240
gagagtggct	acgtagagag	tgagagcgag	attcctaaaa	agatgcacag	agagaccctc	300
agagagaagc	agagggaatg	ggttgcactg	gctgaggatg	gtggaggagc	cgtctcactc	360
ccttccta	gtctatagat	caataacgag	ggaagaaagg	aggacaggga	gctgatggaa	420
acacagcttg	ccaactgtac	ccagtcccc	aacaagc			457

<210> 344

<211> 283

<212> DNA

<213> Homo sapiens

<400> 344	gcagccgcct	cctaagaacc	tgctgctggg	tcccggcaag	cccaaggagc	cagctgtggt	60
	gcgcccgagg	agcctgtggc	agcggcacat	ggcatgccag	aggtaaaaaa	acgacggcgg	120
	cggaacagaa	gctggcatct	ccccagccat	cctatgcagc	agacgccaac	gacagcaagg	180
	ccgagtactc	agacgtcctg	gccaagctgg	cttctgaac	cgccagagcc	agtgcgctgg	240
	acggtgctca	ccgccccgct	gctggacacc	cagtgagccg	gag		283

<210> 345

<211> 404

<212> DNA

<213> Homo sapiens

<400> 345	acattttcaaa	tatatatttat	tactttccat	cttagaaaga	atatgaaacc	tgcatgcaat	60
	gctaattggtt	tctgacatgt	acatagcata	taacacagca	gtacaatgcg	gcatatactg	120
	gggggacagt	tgtggagggg	gcgttcttaa	gggtatatgt	acagaggaaa	gggcgcatgg	180
	tcatcttagc	tttcgaaaga	ggactgcact	gtttaacatt	gaagaattac	atggggaatc	240
	acaaatatat	tgcttttagta	ctgcatgttc	tgttggtggt	agggaaagaa	acatgctttg	300
	aagggttttcc	cttgtcaaca	gaatgtgtgt	ctgtagctgt	gtattgcgca	tgtattcata	360
	tattttttaag	ttttctccta	aggtttttgc	tgacagtgtt	ggga		404

<210> 346

<211> 317

<212> DNA

<213> Homo sapiens

<400> 346	tttgggtcttt	tatggtcgat	tttgtctttt	ttcttctttt	ttccccattt	tttcaaggat	60
	ggaaagggtca	gagaaaaata	aaataaaaca	tcttttcaata	gtctttcctg	gtaaaagcag	120
	cgtctctctg	ggctggggag	taaaggggtgt	ggggcaaggg	gagtggggag	aggctgaaac	180
	cttcccccaa	accccagttt	tagatccttt	ggtttcttct	tcccagaaga	tggcagaagg	240
	gcatggtggg	aacagcaggg	agaaaatatg	gtgatgacaa	accccagatg	atcaaggggc	300
	tgatgctcct	ggggccc					317

<210> 347

<211> 265

<212> DNA

<213> Homo sapiens

<400> 347	ttttttgagc	tttggacaaa	tttattgaaa	catacaggcg	gctgttagca	gagaaatcat	60
-----------	------------	------------	------------	------------	------------	------------	----

tccatgattg	atgtgttaca	tttggccact	accttgaatg	tataatttaa	aaattatatt	120
tttcacaact	aagccttttg	ccaaaaaagt	catttagcac	atcttttaaag	atcaataaga	180
aatggatttt	ggacattaaa	aagatcaagt	cactgaatta	aacagtagca	acccccatta	240
atctagaatc	ccatagtgtc	gaagg				265

<210> 348

<211> 405

<212> DNA

<213> Homo sapiens

<400> 348						
ttaaattaaa	aaacaattta	ttgaaaaaga	gtaatgcttt	atacaaattc	ccattataaa	60
acccccaaaat	gtctattggg	ctgtttccag	gtgtggtaga	agaatataaa	aagatcaaaa	120
ttggataaat	tctattgtaa	caatttcgtt	ggtcattttg	ggccataaaa	tttttttgta	180
atgtttggta	actgatatcc	acatggaatt	acactcacac	atcatgaaga	tctatgtatg	240
tggcaaaagc	catttaaatt	ttaacttcca	aaagcatata	ttctcagggt	tggaaggcac	300
actaaaattt	attaggtcca	attcctcata	agacacgggt	gctgactttc	cttgtgtagt	360
ttattatgaa	gtaccatttc	caaactaact	atcctagcag	cgtca		405

<210> 349

<211> 380

<212> DNA

<213> Homo sapiens

<400> 349						
ttttttttct	tgtagctgg	atatatttct	gttttttctt	tttttttctt	tttttttttt	60
tttttttttg	tcacagaaca	ctgtttgcag	tagaggaaac	tggcattgca	gtctgggtgg	120
ataatggctt	gtccacataa	accagtacat	gttcatectt	tagcgcaaaa	agccctaagt	180
gcgcgtagcc	tattaaaatt	caggacatct	ccaatattct	ctctctctgt	ttttctttgt	240
catctttttt	tttttttaaa	aaacattttc	aaggtttgct	caaaagaagg	ccatataggt	300
tcttggttag	cgggaagaaa	ttcagaacag	ctgttgacaa	cttggtactgt	caccttctcc	360
aggctggcag	ttgatattct					380

<210> 350

<211> 355

<212> DNA

<213> Homo sapiens

<400> 350						
aagtgtttaa	gatgggtgtt	aatacagcag	ggagccaaga	tacagtagta	ggacacagta	60
aagaatgtgg	agtgtgtaga	tacaataaag	aattcatttt	atgatctgcc	acctgttact	120
tgacagagga	gtaagttagg	gaaataaatg	actcagttct	tcatacatgc	aaaggtaagt	180
tagttattac	aaaagttttt	gctgttggtt	gtgctgaaag	aaaagcatat	gcattttaa	240
atttttttaa	aaataaatca	ctcaataggc	ttaagaaaaa	tacttttagt	catagttcat	300
tgatctgacg	ttttgattta	agatcagggg	atgaatccag	gatgaaaacc	aaaga	355

<210> 351

<211> 481

<212> DNA

<213> Homo sapiens

<400> 351
 tttttttcat aagtcagaat ttatttcata ccatctcact tatagcattt tcaagtacaa 60
 cattctgctc aacatcattt acacttgaaa acagaaaagc acaacttggg aaggcaccag 120
 gttacgatag tctggagaga aggccttgct cccattttgg cttgtgtaat acctgggtag 180
 tttctcttga gtctgtcaag cagagaacaa gggtataaaa ggtccattta tacatacatg 240
 gtaacaagag ataacaaaca gttttgaagt atgctgtatt tataaattat aatgggtggcc 300
 tacacttgta gttcagccaa agtggcattc tctaaagcaa aattcttata aaatcttctc 360
 tgcaatacca agctgcaagt ttaacaattt tttagctttg aagtgaacca actttatatt 420
 taactcaaac acatacttta aaaacatttt cggcccaaaa ctctatgttc acgaagaaat 480
 a 481

<210> 352
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 352
 tttttttttt ttttttgagt attccagcat tatttatttg atcagagtaa aatacacttc 60
 ccatcactac aaactgagca caactacagt tgtctacaca ttcataattt tgacgtgcca 120
 acattttgca ttctacatga aacatttggt ttaaacaaaa tcttaagaat tctctatttt 180
 gtttcccatc ttccctcctg ttctctccca tctccaaag atgttttata ttaactgcta 240
 tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac aagatttacc 300
 atgcctaggg gatgaatggc aaaccaact ttggctaatt tcattgagaa caacttggaa 360
 gcgtga 366

<210> 353
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 353
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 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 354
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 gcaatttttt gtgggcaggg ggtggatctt acaaagcaca ttctcaatgg cggagagaat 180

attacaaaat	accttcttaa	gggtgcgggg	gtgcgggcgt	ggggtgggtg	gggagaatat	240
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<210> 355

<211> 601

<212> DNA

<213> Homo sapiens

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tcccaaatag	tcatcataca	ttcaatgtat	tggttagggc	caaaatccct	aaaccacctc	360
tcaacaaaac	attacacctt	tggtccttta	ttatgcaaaa	attacaaatt	ggcaaattca	420
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tctcagactc	tctttccctc	atacctttcc	cttccccacc	tcacataaga	aaatgatgct	540
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<210> 356

<211> 4003

<212> DNA

<213> Homo sapiens

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acagtggtta	gaaaagcaag	actgggagca	cgctgccaat	gatgtttcat	ttgccaccat		360
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attaaatata	atatcgacac	agtgttttcc	gtggcactgc	atacaatctg	aggcctctct	3900
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<210> 357

<211> 4003
 <212> DNA
 <213> Homo sapiens

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<400> 357
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<210> 358

<211> 237

<212> DNA

<213> Homo sapiens

<400> 358

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tgtaccaggt	actctaccta	ctacagacta	tttaacttac	ccaacaaaat	caaaagaggt	180
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<210> 359

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(195)

<223> n=a,t,g or c

<400> 359

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taatcaaaga	aaatatgata	gttgaaactg	taataacata	catacattat	aaagactgca	180

cataagttaa acaca 195

<210> 360
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n=a,t,g or c

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 tttagaagca aatacattca tagctgtgta atccccagga agaattctaa tctgacatca 180
 ggtcattcag tccctgccag acagacaaca gcatcaaagc gtcaacagct aatccagctc 240
 tgcagctaaa gggcagtgct gggcagcagc ggggtatagc atattaccaa agatgagacc 300
 agcaaaaaca acaatgtgta taaagcttta anttaacatg atcatataga gcgctcag 358

<210> 361
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 361
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 ttgaaatgaa cagtacaaga atacatgaag taaatatcat aacatttaag tttcgtctca 120
 cttaggcaac aagaaatgct gagtagtatt attacatatt caaaccagac ttaaacttca 180
 gaaacagaag gccagatgag tgacctgtat cacaggatat gacaacacat cacctatctc 240
 caaacaagaa aaagcatgat tattaagttt atctacacca gcttatttat tcaaatttgc 300
 tcttcttatt a 311

<210> 362
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 362
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 acataaattt caaaagctgg ttatattatg gaataccata tatactggcc tttgccagtt 180
 tgggatttct gcaatagcaa taagcctcgt ttctgtttcc aattataaca acaaaaagat 240
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<210> 363
 <211> 267
 <212> DNA
 <213> Homo sapiens


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<220>
<221> misc_feature
<222> (1)...(267)
<223> n=a,t,g or c

<400> 363
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acacctgnng taaaaaggca ccttgctagg cgctagacag ctaactctgc tgcagccact 180
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cacacaggag tcgccctagt atggtct 267

<210> 364
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(247)
<223> n=a,t,g or c

<400> 364
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gccatgcgga catgggggtg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tattttac 247

<210> 365
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n=a,t,g or c

<400> 365
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atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
gctcggccag cccactgca tcccctcaca tgatgatacg aggtctngc actgactcgc 300
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gacgtcctnc ac 372

<210> 366

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<211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n=a,t,g or c

```
<400> 366
tttttttttc cttctgtagt cgtctttatt tagagcagaa ttcagactca gctggtatcc      60
cccagggcaa cccaggatg ggganagggc tggctctgtcc ccaccactt ctccaggatc      120
ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg      180
gattggagct ggagcatctg tcaaggttgt ctcttgaca aacagcttcc tctttggaaa      240
tggcttcact caggtcctgc aggtcatcga gcaggacaga gagggacctg gggaaggaag      300
acagcagatg agcaccagac aagggaaggt gctcgtggtt acagagggaa acagggttgg      360
gcacagggaa atgagggaaat ggggagagag ggaggctctt tgggtccaag ctggggcatc      420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat      480
ttttaagagg gagttttctn a                                          501
```

<210> 367
 <211> 231
 <212> DNA
 <213> Homo sapiens

```
<400> 367
ttttttttgc ttttataaac attcaaccaa catgttcttt aataatctct tctttaaaga      60
acaaaataat caagtacatg gcattaagtt aaatgtctct gcacatgaat ttccacctta      120
taaactctgg atattaaatt gtgctgtaaa tagatttgta tattttcttt tttgagtact      180
atgatagggt aaatgggatg actataaaaa ggatttgttt ctttttgtct c          231
```

<210> 368
 <211> 292
 <212> DNA
 <213> Homo sapiens

```
<400> 368
tttaatgcta aaagttaaag aaaaaaaggt actgtaaatc tgacaaatga cagaattcag      60
gtgatatttc catagcgtga ttttaaaata taataatggt gatatctgag attacactca      120
cttcagttga catgagtttc atcatatata gaaaaagtat caccttcaac ttaaaaaaag      180
taaagggtta aaggtggcac acttttaaaa tacttggtgg ccaaggaaag gtatatagta      240
aaagttgtaa accatgtgta tgttctcata actttaaatg tgaggccaca tg          292
```

<210> 369
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(375)

<223> n=a,t,g or c

```
<400> 369
tcacgtgtgc acagcttttt tacaggttac aaagtgtttc acatacatca tctcatcaat    60
tcctcacaac agccctgtga ggtaggcagg gcagggggta atgttcccat ttgtacagat    120
gtggagactg aggccagag aggccagtga cctgcttgag gccacacagc aagtgagcag    180
cagagctggg naccagaggc tgggggtgggc cccacctcca gcccctggct ctntccactg    240
actgtgctgt cccccaggag gaccccagcc tntgtccaga gtntcagcca canccaagcc    300
aggntcccac cccttgagct ggggtgccgc tgggaagccc cagaagacag gtttcccacc    360
cccatcggg aagac                                         375
```

<210> 370

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(438)

<223> n=a,t,g or c

```
<400> 370
gactttnttc cccaccttta tttttcatgt tataaaagtg cacattcaag gaaaagtaca    60
cagaaggaag gagacacctc atgacgaccc cagtatgcag tctgggacat gtnttttcag    120
anctgattct gtgaatatatt cattttttat gggtagggtc acatacatat atattttttt    180
ccttcctttt gtcatttaac atcctatagc ctaaagtgtc ttgaataata ctgacaattc    240
tgtctaagta tcatttttaa taggtttgta atatcattgt gggctggccg tgggtggctc    300
atgacctgtaa tcccagcact ttgggnaggc caaggtgggg tgggntcatc tgagggtcag    360
ggcgttcaag accacggctg ggccaacatg ggngaaaccc tgncttcta ggnaaaaata    420
ccacaaaaat tnggccgg                                         438
```

<210> 371

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(391)

<223> n=a,t,g or c

```
<400> 371
ncagaaacat tttattgaca acagttccca acagagtctt tggggctctt aagtggcagg    60
tgcagcgtcc acaggcagag tgagggctcc tgaggaacct caccctaaat tccctaaccg    120
gccgaggacg canccccagg cccctctcag gtgggcatgg cagtcccggc agcaccctct    180
ctgagcagcc tgctgtgggg aagaagccgg gccggaagcc tcagtctgtg tgccagccca    240
gtcatgtctc cccgccccga ggcccccagc ctntgggaag cccctgcctn taagggacag    300
ctcgtgaaga cacaggaaca gtggttgggg gtgagggctc aggggaattg ggcagagggg    360
ngcttnagca canacctgac ttccttggga g                                         391
```

<210> 372
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n=a,t,g or c

```
<400> 372
taatcttttt cttgctcaat tcccttgact atttcacaat ggaaataaaa aagaagttct      60
taggaccaaa tcttctataa ccttattaca caattgggtt atttctatta ttttttaaat      120
atatggaaaa taatcttcat aagttccctt tctcccaaat agtatattgt aaatattctt      180
atacaattaa agatgggtca gaaaaagaat tctacaagaa gtaaccctaa atgaacccta      240
gtctacataa caaaagatgt acaatgggtc gagatggcct gactgagggg gtcgggtaat      300
ttgggtaatg ctgggttcaca ggnaatgatg gttctaaggg gctgcagggc tgggngagag      360
taccgcacac ccctctctgt gggaggggcn ctttctagtn aatg                          404
```

<210> 373
 <211> 262
 <212> DNA
 <213> Homo sapiens

```
<400> 373
ttttaagcaa tgaaatattt tatttgctga aataggtata acacttaa ataaaaattaaa      60
caaatgttta atatctcctt ccatgaaaca gcagcagcaa gagatagcaa gtgttcggaa      120
gtctcttcaa tccatgttat tctgatgact ctttgaagaa agaacttgaa cctcctgcac      180
aggggggattt ccttcactca tagattcccc taacttcac tctcttttct cttgggctat      240
tagtcagtca atatgcttgt ga                          262
```

<210> 374
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n=a,t,g or c

```
<400> 374
gcgaccgaca cgtcctccat gtcgcgcgcc agccggnetc gcgcgcgctg cagctccttg      60
gacagccgtg cccgcgtctc ctccgccacc ggggtcagtt gttcctccag ttccgatttg      120
taggccttca actccttcat ggtctcgtcc atcagcgccc tcagttcctg ggtgacctgg      180
gagctcgagc agctcctcct gcacctgtc agacagtgtc tgcaccagc gcaggtaatc      240
ccaaaagcga ccagtgcca gttcccagcg ctggccgctc tgccactcgg tctgctggcg      300
cagtcgnggc tccggtctctg tctccaccgc ttgctccacc ttggcctggc atcctgccag      360
gaatgtgacc agcaacgcag cccacagAAC cttcatcttc ctgcctgtga ttggccagtc      420
ggctcctggg gaaggacgtc cttcaacctc gtgccgaatt cttggcctcg aaggcaaa      478
```

<210> 375

<211> 429

<212> DNA

<213> Homo sapiens

```
<400> 375
gctttcatat aaaaatgtac tgtagtaatc agtaagaaaa agaaacaaca ttggctaagt    60
cacgaatagg catttcacca tatgtacatg ataaatggcc aatcaaaata aggaatgggg    120
ctcattctgc tggaaattaa atacattcaa acaagaacag agatccatta gcaaaatggt    180
taaaaataat atcacagggg taccaggggt atgacaaaaa tggacacttc catacacact    240
aggtgaatat attggtgaaa atagttcaga taaacataca accatgtatg taaaagtatt    300
tatcatcaat gcattatttg tagtagcaaa aacaacaagc agccttgtga aaccagttta    360
atgtcctcag cagggaatta ataattattat tgtatattca tgaaattgac accatgtggc    420
cacacaaat                                         429
```

<210> 376

<211> 503

<212> DNA

<213> Homo sapiens

```
<400> 376
aaagaattac cataagtttt atttttgctt agttttatta aaaaaataaa tatgtcataa    60
agctttcttt ttccttaggg agaaaaaaag gaacaagtct cataaaccca aataagcaat    120
ggtaagggtgt cttaacttga aaaagattag gagtacttgg ttacaagtt ataattgaat    180
gaaagaactg taacagccac agttggccat ttcattgcaa tggagcaaac aacaggatta    240
actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat    300
tcactgagac atcagtacag atacatcttg cttaaacaac acagaagttc ctgaaaagtt    360
ttgtgtaaat gatataacca caaacattac caggagagct tgggtaactg aaagaattcc    420
atggcgaaat cctttggtga acaactactt tcacttttgg taaatccagg tatttgcttt    480
ttataaggag ttacctagt tgc                                         503
```

<210> 377

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(467)

<223> n=a,t,g or c

```
<400> 377
ctaaaattat tttatTTTTt ataattttct aacacatggg gttagaaaat gaattttggc    60
accgtgatta agaattttctt ttcaagttta acctttacat taaaaacagt agctacaata    120
aggatatttc aaccttactt agagaagtga taaancatca agtcaacaag tatttttggt    180
ggagaatttt tttataagcg ggatagaggg aagttaacat agacactcag aagaataaaa    240
tggaatttat gccaggaaga taaaaaagca aataaccctc ccccaaaaaa aagaataagg    300
agcgagacaa agggcaaaac ggaagaagca aggctcaaca actttgtttt cctgatataa    360
aattcaagta cttaaaaagt tttttaaaaa ataattaaat gcactactca tctcaatgaa    420
atttttcggt ttcnattttt ccagaacttt ctaaaaaagg aaaccag                                         467
```

<210> 378
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n=a,t,g or c

```
<400> 378
caatgtgaaa ataaacattt attataaaaa ttagttttga catttttaaag tgaatgcaga      60
caagggtgtt tccagttcaa aagggtccatt gtaagctaga gaagtaaatt ccaaggctgg      120
caataactga ctcatattct tcacaagtgg cctagacaat aaggaaccat tcacctcaaa      180
ttcacagagc catgaatcac ctctgcttcc ccatgacctt ttccatatcc ttctactct      240
gtcttccaac catgacacag aactgaaaca tactttaaaa atctcactct tggctaggca      300
cggtggctca catctggtaa tcccatcact ttgggagggc caaggcaggc ggatcaagaa      360
ggtcaggaag tttagacca gcccgaccaa catggtggaa ccctgggtct cactaaaanc      420
ccaaaaatta ggccaggcat ggtggcacgc acccgcaatc ccagctactc agngnactgn      480
gg                                                                                   482
```

<210> 379
 <211> 252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n=a,t,g or c

```
<400> 379
tttttttgat gctgaaagaa gactttaatg tgcacaaaga aacctcacat tagtgacagg      60
gagacanagg aaggagggtg gggaggactg agggccaggg aaaccagagc tatggagaca      120
gaggccttag ggaagaggag atggctggga ggaccngctg aggggtgggc gaggcagaga      180
ggcccatccc ttgctgagag gagagggggt cggggcgggt gcagaggcag gctcttgag      240
agaggagagg gg                                                                                   252
```

<210> 380
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n=a,t,g or c

<400> 380

cngcagttgg	gggtggggtg	ttctggttta	atcatattca	gagtttgagc	ttgaaataac	60
caactcaaga	cccacaggag	actatgtcac	cagataaacc	cagtgcctaga	atccaatgtc	120
cagcatcttc	aaccactcag	gagtgtttgc	tgagagacca	ggtggtgctt	accacaccaa	180
caagcacttt	ccatctttgg	gtttgcccaa	gatgtttacc	ataaatgaaa	ggggtgggga	240
aaggattata	gttgacacca	acataaatta	aatatccaat	tccagcatat	gtgaca	296

<210> 381

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(165)

<223> n=a,t,g or c

<400> 381	ctctttgagt	aactttat	ttgaggagtt	ccataagcat	taggaacata	cataaaatga	60
	cacaccactg	ttgacaatga	aaaaaaaaac	agcatttgat	attttccagc	tttttaagtt	120
	aaaaaatgat	tcagttaaaa	caaaacaaaa	gtttagatat	tttag		165

<210> 382

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(319)

<223> n=a,t,g or c

<400> 382	ctccactcca	ttgttttatt	atgtacaaac	gctacagaac	gnnggggaca	gacacgcgtg	60
	gggtaagaag	ggcctggtgg	gaggagttca	cagagcagac	ggtgcactgg	gaccagnaga	120
	gcagaacaca	ggccataact	atagggcgagg	tngggcgagga	acgggggttaa	aaacgagatc	180
	caagccagcc	agatcgcgagg	aggtgcgggg	gcgtcgctccc	cttctnttct	ccccccaagg	240
	tcacagtga	tgcaataaaa	tatatatata	ggagctagat	ccgtcctctg	caagggctct	300
	gaagggtcca	aaactccct					319

<210> 383

<211> 250

<212> DNA

<213> Homo sapiens

<400> 383	cttcattaac	cctttattac	aagtcacgct	cttatagaag	tatatgtgga	cttacgtgaa	60
	aaaatcaa	gtatccaaga	ataaaaaaca	cagcacataa	agtagtatat	gcattccagt	120
	gttcgcgcca	gagacggcgg	gcgcccaagt	aaaagctctt	ctaaaacggc	ctgactgggg	180
	caggcggggtg	cgaacgggtc	cgggcctcag	gcacagtgtg	ggggccgcct	gcctcctccg	240
	cggccccggcg						250

```

<210> 384
<211> 170
<212> DNA
<213> Homo sapiens

<400> 384
ttttggtaca aaaggtgtct ttattgaggt ctgggttaaa attaggcact tggccacgag      60
cagcagctta aatatgaggc aagcagtcag gggttagcca tgcctggggt gggttggggt      120
catgaggcta caggcacaga ctgtccccag gtggacagaa gtttgagca                    170

<210> 385
<211> 281
<212> DNA
<213> Homo sapiens

<400> 385
tttttttcct caaaagtttt tattcttttt catcttttta aactggcaca ctgcctggta      60
tacaccgcca gtaggcattc agaaaagttt ctttttttta aatacacaat ttataatact      120
gggaagatth catttcagtg tttcccaaaa cattattcct ggaaagggtg tactctccca      180
tgactctgga taatagaagt tttgttctga ttttttaagt cacctcagac agacactgga      240
acacgttaga tctaacactt aagtgccttg aaagggcagt a                          281

<210> 386
<211> 139
<212> DNA
<213> Homo sapiens

<400> 386
aatgcagcca aaagtgatat ttgcttttct cagaaccata atcgatacaa gatgcagtga      60
ccaattcatt ccttaaaaca cctgggctcc ttaagcggct agaagacaca agttacatcc      120
agcccatcag ggagccaga                    139

<210> 387
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n=a,t,g or c

<400> 387
tccagccccc cgcggtgcatg cggcagacat ttatttgcac ttgtcacata gtagcctgtg      60
aggtagccca ggatgaagat gatccagaag agggccacgc gccagcacc ttcatggcga      120
tgcccagctt gcccgtcac agcctctggg agatcctgcg gcanntgagg cctcttctgt      180
gctggacaca gccctaggc tgaactcctg cctgctgcc gtctctccac ctactatagt      240
gggacgtggc tctcctgggg gctgcatgct ntgggggctn cagcg                    285

<210> 388
<211> 378

```


<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(378)
 <223> n=a,t,g or c

 <400> 388
 ttgggggtcgg agtgggtttta ttgggcagca ggggctcang gccgggtgggg cgtcacccgat 60
 acaagtagtc agcctggatn ttggcggcga tctcggcctc ccacttgtcc ccgttnttga 120
 gcaacttctc cttgtttgtac agcagctcct catgggtctc cgtggagaac tcaaagttgg 180
 ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
 ttgggtcatg tcgatgtcat agcgggtggg ccnggcgggt gccatcagct ctttggctca 300
 gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
 ttcaacgttt ctttcccc 378

 <210> 389
 <211> 267
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n=a,t,g or c

 <400> 389
 ttcanctcct tttattgaca gaaatagaaa tttgtgctgc agaggcagta gtacctcaga 60
 gcatgagaag gtagtcaatg gggctgacat gacaagccac aatgctggcc aggggtccta 120
 ccatagtggg agaacaaaaa ccacaaaaat agcaggaggt agcaaacatc cccaacaccc 180
 agtgtaagca tttccatttg cagagagctt ggccatgcat ctttaaaaac ggggtcccct 240
 tcacagctgg gcagggtatc atgtcag 267

 <210> 390
 <211> 386
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n=a,t,g or c

 <400> 390
 aaatttatata ttacatgttt attaagagca caacttttat gtaaaattta catttaatga 60
 aaaaaatcaa aaatatattac aaaatcttgg aagacagatg tgcattgttc taattacaat 120
 ccaaagtagt aaataacaat cttttaaacc tcacatttat tagagtgttg tttacaaatt 180
 cttggttaaa gaggcagcta caaagtttat cactatatat aagcaagaac cagcttgcta 240
 ggggtacattt ccatttgaaa atctactggg tctcttttac accattaggg ggatttttaa 300

atggggnaaaa aaaaatcaat ataaactcat atgggcttca aaattggtaa cctgtacccc	360
nataacttggg gnatggaggg ctgtgg	386

<210> 391
 <211> 220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n=a,t,g or c

<400> 391	
atacaatang ntattattgag gatgtgtcaa tacagttaac atgggttgctt gtctttttcaa	60
aaagaagttc catttttcttt gattcccaag tgcatttttc ctgaatcttc tgtgatacag	120
ggcacatgat aggtatgtag agagctaagc ttctataacc aagttagaag tgaaatgact	180
agtgggaaaa catttaaact ttaatcttaa aaaaaaata	220

<210> 392
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 392	
tttttttttt ttacaaattc tttttttatta gtcaaaatca caatcacctt gattaaaaag	60
gatgggacac tccaccctca gcagaaaatg atacagttta tagaaaacct ccccgccctt	120
cccacacccc aattaaaaac tacaaaaaaa tctccctcc ttccctacga tgtcatggta	180
gtctgactcc tccagtggca ctgcagctct ggagtggcca gctcaccaca gcaccctcca	240
cttcaccttg gggagaggag ggatgctggt ggtaaaggag gttaaaacca ttagttccag	300
taatgccagt tcccaacat gcacttccct cctttccccc aagggtctggg accaagg	357

<210> 393
 <211> 332
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n=a,t,g or c

<400> 393	
tttttttttt ttctggagca taatgtttta ttgttgagcc tctaattta caacaatgtc	60
ttttgaaatt tgcttataaa attttgtcac agggagcaac aatgttaacc taattattat	120
tcacttattt tcatttttta aaataaatga ctataaataa ctgtctcttc agttaggatac	180
agggatatca taaaaacatc actagcgaga catatttttag tattaatact gatgcaaaaa	240
ntgaaatagn gaccnaatat ttatatatat agcactatat atatttttat atattgnata	300
ctcatatcaa aacttgccat ttctcttaag ta	332

<210> 394

<211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(436)
 <223> n=a,t,g or c

<400> 394	tttttttttt	tttttttttt	tttttgttac	cagaggaagc	agctttttatt	gatggggttat	60
	ctccagaaac	cagaaagact	atatgtactc	acttttcagtt	acccccgtgc	ctccagantc	120
	gcatgtttgct	ccacctgggg	gcggatataa	attacctcta	gattgtccaa	agcccagtct	180
	ttcccttccc	tgtgcagcct	tagtaaaacta	agtagcagta	ctgtttggtg	tgtgtttggt	240
	tcttccccag	caatgcctac	tgcagctact	tagtaacaac	tagagggtgga	gggtttccgg	300
	ggaagcagtt	aggatgagtt	aagtgtgatg	cacagggaaa	atagtatcgt	aggcctatca	360
	aagggncct	ctgcctgccc	tcagtgggct	tgatttcttc	attggggtgc	atttgctctt	420
	tgtgttgga	tgacgc					436

<210> 395
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 395	ttttttttttg	ctgttatgat	tagatattta	ttgagcacca	ggagagagtc	agaacattag	60
	acttatagt	gaggagcaga	actgaaccct	ggcctgtgaa	ataacaattt	caattaaaag	120
	ctgtctggcc	ctgaagaaag	agaaatgatc	ctggatatag	ctggctcctc	gagctggcag	180
	agctgagcct	ccctcgggtc	ttctgggtgg	caagatgcc	aagttgaata	gtgtctgtag	240
	ggcatgatga	ccaagtccct	gtgctatggg	catcttccct	ctggtattta	ggagaggagt	300
	accagaagcc	cccggcagag	gatactagga	agggcccaga	gccaaatcca	gcagctgggc	360
	ttac						364

<210> 396
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n=a,t,g or c

<400> 396	ancntttann	nnttccaagt	cattagcttt	atctttactg	aattcagcat	gggatgacaa	60
	aaatgcatta	tatcactacc	atccattatt	acatgtagac	atctatcctt	gtattcttta	120
	tatgtccatt	ttctacgtta	aatctgttaa	ccaatactaa	ttnaaattac	atgatttcct	180
	actaaaaata	tgcagttcat	ataagcaagg	gcaataaat	cctccttaaa	acattttatt	240
	cctttataat	tgaggaactt	aacagtcctt	atgggctagg	ttcttaaaaa	atgtttatag	300
	ggnttaaggt	ttattttaagg	ggaggccggn	caaacaaaac	atattgtaaa	actaggtatt	360

ttccccggagg ccatttccct tctcttccct tcttccccgc aaacnggggg ttttta 416

<210> 397

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(320)

<223> n=a,t,g or c

<400> 397
agttntgggg tcttgtcang ttgcccaggc tgatctcaaa ttcttgggct caagcaatcc 60
tcttgcccttg gcttcccaaa gtgttcagat tacaagtgtg agccactgac ccagaccaag 120
aaattttaac cctaactaaa tacccaaaaa aagtgtatat atgttccaca aaggacatgg 180
gtaagaatgt ttatagcagc agtattttgta atagccagaa actggaaaca agccaaacat 240
ctatctacag cagaagagac tattgtttat ttatacaata aactacaata tagcaataaa 300
atgaatgagc tacaacaaca 320

<210> 398

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(284)

<223> n=a,t,g or c

<400> 398
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta 60
gcaaagtgcg gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120
cagtttgcca caggtatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180
tttaataggc ctaccctcga tcttttttatt caatatgtta ataaagaaac ctatacacat 240
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

<210> 399

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(316)

<223> n=a,t,g or c

<400> 399
agacagcttt tgagtttatt tggcttcttg cttcactgga ncccagggt aagactccaa 60
ccctggctgg ggcagcagga aggcattcag agagccctgg ccccagatga ccccagggc 120
aggaggtcca tgctctaagc cctagggcag gggccgcagt agcaggantt ggtcaaaagt 180

gctggtgaca gctgagggcg gccccttttc cctgcacctc cctcctccc tgnatcaccc	240
cagcaggcaa ttccctgaga caggntctgg gtccctccaa ccagttgggg tacagttttg	300
gggccccant agggca	316

<210> 400

<211> 316

<212> DNA

<213> Homo sapiens

<400> 400	
ctgggtttaaa atattttattg attaaaaaaa attaaaaatt ttttatacaa aggtgatgag	60
aaaaaatctc atgcaaactc cgggcataca ataaaaataa ctcaaattt aatatgatga	120
ttttgtacaa aataattctt ttgaagtagg accggtggca accaacacgg ctccctgctc	180
caggccggga cgcccctctg ggaggaacgc gcggccaccc ttggaaacct gtaagtgatc	240
cacggtccag gtgtggaatg ctcacagttg tcactatgat gaatgatgaa aaccctattg	300
ctgctactca gaaacg	316

<210> 401

<211> 349

<212> DNA

<213> Homo sapiens

<400> 401	
tttcaggtaa caaagtccag tctgttttat ttttaaccca aatattccaa atatacagaa	60
aattaccagt acaaagttaa acacattcag atttatttac acaatgctaa agaaatttga	120
gtttttatttc cattttgtgg aattttatca tggggctctgg ctttaatgtg taactgacgt	180
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa	240
aacttgggtt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg	300
aaggcagctg tcccacagcc tggggaagga ccacatgctc agaaagggg	349

<210> 402

<211> 413

<212> DNA

<213> Homo sapiens

<400> 402	
tttttttttt cactgaatgc ataaagtcct ttattgaaaa tattgggata gcactgcatt	60
acatatagtc aatatccata aatgaagggt cacacatttc tgaatggaca atactgtttt	120
acatagagaa cacagcatct ggatatgctc tcacaattat agtatcatgg actaaactag	180
gtcagagtga agtatatgca aaatgaccat ttgggttttt tccattttat taatagcata	240
tggttgcaga tgggtgtaaat ggtaaactgt atatcatgag acattcctga tatctcacac	300
caacacatta tttaacgagc aggttaaggt gaaactgccca gtatgctgtt agtcaagagt	360
cctcagtagg agaacttgag tgaaacgtac acccaggcta cagatttaaa att	413

<210> 403

<211> 335

<212> DNA

<213> Homo sapiens

<400> 403	
tttttttttt ttcagcatta caaaaacttt ttttttgctt ttttaggaagt agcgaggaag	60

gaaagcaaag	cagcaggatc	ccctagagag	tttagtcttt	ggtttctaag	tttaaagggg	120
ggattggctt	cagagcttgg	agcaagacag	aagattcgac	ggacggatga	gctggcaagg	180
gagaagggag	tctctggggc	atgagcaagg	gagccgattt	cttgtctggg	ttcatgaagc	240
tagagagggc	tgcggcagag	gctttgaggc	ctgggtatag	cactggcact	taggtgggat	300
accagcactt	ctccagcatg	ggcaggttag	cattc			335

<210> 404

<211> 275

<212> DNA

<213> Homo sapiens

<400> 404						
aaagctacaa	acctcaaggt	tgttttattt	aaaccaaata	atctgagcaa	gacatatata	60
cattaaaaac	aaatgaacac	attaaaattt	cactatttta	caatctaaat	tctagcaaca	120
tatacaaata	ctgagtgact	acagtacatg	ccgaggtaag	ataagtacat	tctgggagaa	180
tatcactgac	gctcaaacca	tttttatttc	caatatgtat	ttcaatacat	gtttgtttcc	240
acttttccca	gtgccacaca	cacacacaca	caaaa			275

<210> 405

<211> 398

<212> DNA

<213> Homo sapiens

<400> 405						
caaagttttac	aataatttat	tattgttgca	tgacatttgc	cagtaaaata	aattatagaa	60
actatagagt	ctttataaac	tattttgtat	atcatattca	cttcctaattg	cttactgcag	120
taactgtatg	aaattttaatt	agattacgtt	ttagcattag	tcagaagatt	taaaaaatat	180
gtaaaatggt	ttcacagtac	tttgatttta	taaaagaccc	cattatttta	acttttgtgc	240
aacctgtttg	aaatgtataa	aaaacctttt	acaaacccaa	aggtggcgta	aggttttact	300
gagttgctga	agacatctta	ctttcttgaa	tttctactta	aacatccatg	tgggtgcactt	360
tttcaggcag	tgtaataagt	ggcaaataaa	taatcaat			398

<210> 406

<211> 459

<212> DNA

<213> Homo sapiens

<400> 406						
ttttttatta	tgtaaagtgc	tttatttgaa	ctactacatt	gctaccagat	tacatcactt	60
ttcagagtta	gagtaacata	ataccttgga	aactatagca	aacagcttga	caaagcaaga	120
gtacattaat	tcctacatat	atacttttat	ttttagtga	cacatttctt	tgtttcaggt	180
gtaaaattaa	aaaatatatt	gtacacttag	catacttgga	ctaccaaata	ccgtctaagt	240
tctgagcaca	ctctctcttc	aaaagtatca	tattcaacag	catttttaaat	ttagagagag	300
agtttgatga	tacaggtttt	aaaacaaata	agcatgtatt	gaaccaagtg	atttaagaca	360
aaatatttca	attggtttaca	gcttgggtat	gagaggggaag	atgcaaattt	aagggtacatt	420
tttctcttag	ctacgatggg	atgttttact	tacctggat			459

<210> 407

<211> 381

<212> DNA

<213> Homo sapiens

<400> 407
 tttttttttt ttttcattca acaagtgttt attgagcatc tactacatgc cagacactat 60
 tctagaaacc tgggaaagga ggggttaggg tagcttggag ctgtcccagc tgtagctctg 120
 tctcccagaa gtgaggtctg caggggaaca gggctctgggg gtctctctgc ctgggagagg 180
 gaaggctgag tgtataaaaa ggtggaagcc tctagaaatg agaaggctgg gtgtgtggga 240
 ctcatgctgg tgccttccca gacgaaggag agggcccaga ggaggcagct tcctggagca 300
 gagacggcag caggagcgcc cgtgcccggc atcacctcct cttcagcacg gatatgcagg 360
 acttcttgag gggcccgatc t 381

<210> 408

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(598)

<223> n=a,t,g or c

<400> 408
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 aagaacacgt ccaccgcgga ggccgcaatg cccacctaga gcaggtcgta gaagtagtcc 120
 aggccttggc cagctcccag atagagacc ccaacgccag ctcccgggccc agctccagcc 180
 gcacctgcag ggacttcagg gttgggtaga agacgacgtg cctcccactg cggctcttct 240
 tgtactcgaa gaagtgtctt gagacctggc tgtcccacac catccggggc ctgtggctct 300
 tcagtgtctg gatgtacctg gccccgacaa caggctcacg ggcatccttg gaggtcgcgt 360
 agtccatacc ataagaagtt tgagccccag gaggattttg cttcgccact ttggacttcg 420
 ggtccaggac ctggacgcag gctcgaaccc aggacagggg tgcattaggg ccaggctgat 480
 gcgctgtaga gtaatcgtag gtcataagc tgaaaccatc cagnaggggg gcagttntca 540
 aatcctttgt ggtgaaaatg ccanttggtc ggtcccgggg tgattgnagc ggaatnac 598

<210> 409

<211> 359

<212> DNA

<213> Homo sapiens

<400> 409
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 gcagatgcaa atgtggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
 ccctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
 caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagccc agtgactatc 240
 aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
 ccagggtggc caaagcaaca cagaggagca agggctggca ttcaagttag caggtcct 359

<210> 410

<211> 241

<212> DNA

<213> Homo sapiens

<400> 410

tttttttagat	tcattcttttt	aatgacatcc	taaaattcag	aggagggggcc	agcggggacct	60
ctgggctcag	cggctgtgaa	ggagggaccc	gcaacacccg	ctaaggcagg	taattgcaag	120
aaggcactcg	cgagggggac	ttcaagcccc	tcttctattt	cttcatataa	aatcaggggg	180
atggggaaag	ctccaagggc	gaggggaagca	gagagtttct	ctcccagcct	atggaataag	240
g						241

<210> 411

<211> 333

<212> DNA

<213> Homo sapiens

<400> 411						
ttaataaagc	agaaatgtat	ttattaggca	cccttggttc	tcacagagga	gcaagatcca	60
ggcctgagcg	cctgggaagt	ctcttgaggt	tgcaggaatc	tccagagaaa	cataggcgct	120
gcccagccac	caccccgaga	acactatttg	ggctggagtg	tgaccgccga	ggtgatcctg	180
gcaggaggct	ggggttggct	cctcgactcc	acaaacactg	aggagtgggt	ggggacacca	240
ttgacaccca	cccaaact	ggcagagagg	gaaggccctt	ccagattctg	gggcacatgt	300
tgctgggcct	gccaggggga	aggaggagcc	tgg			333

<210> 412

<211> 335

<212> DNA

<213> Homo sapiens

<400> 412						
caagtttcaa	tcatttaatt	aacatcttta	aatgaaacac	agttttcttc	atgtgtctca	60
ctcaggcttc	agggcagagg	gaatggattt	ttagacatat	caaagactca	aaaatttaaa	120
gaaatatata	tatgtatata	tatacttcta	acattttatg	gaaattaaaa	atcagaggct	180
tttggctctc	ccattttactc	taggtcaagc	tcattttacc	cagaggacaa	agaagggctg	240
cctcttctag	accctccctt	ctcctttgtc	ctctgtccca	cccagcaggg	aaacaagctc	300
agaagatcct	aacaggatag	agttccagta	atgtt			335

<210> 413

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(329)

<223> n=a,t,g or c

<400> 413						
tttttttggg	atgcagcact	ttctttattg	cccatccagg	gaacagccaa	gccagctcca	60
tctgcattct	ggctgcagcg	tgtacattag	gggactcagg	ggccacagtg	tgggaccgtg	120
cacactggca	aggcactggc	ggatntgggc	aggccagttg	gacatggata	gatgagaatg	180
acaactcaca	gatgtcctag	cttctgctgg	cccagctgcc	ancactgnca	tcaccctttt	240
gcccagcatg	tgtgcattgt	cacccaaaac	atcttgaaac	ttgccattag	tgaggcattc	300
aacaaagaag	taagctaagt	gagtaggaa				329

<210> 414

<211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n=a,t,g or c

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<400> 414
tttttttttt tttagtcttt taatgtttagc cttttaatat tttccaataa gtgctttcaa    60
ctcagcaata tacatatcat gctttcctca ttattattga tccatcaata aatatacaaa    120
aaccagagga aggggtgtgct ctgaaaagtc aaagtaacaa taacagtggc cattgtacag    180
cacaagaatg aacaatgggc tattctttga aaactcaaaa caaatgattt acacaaagac    240
atatctataa cataaagggtg aatggaccat gttattctta ttcttaagta cattttgctt    300
ttccagataa gtcaaagtgt tccctctctcc tactcctctg atataacagt attgaatgaa    360
tgttggctac aaaatcaatt cttgggtgttg ttatgaatct caatataaaa cttttggaaa    420
ggttctgcta gaaaagccn                                     439
```

<210> 415
 <211> 374
 <212> DNA
 <213> Homo sapiens

```
<400> 415
gagagggtctg ctactttatt ttgataatgc agggatatta tttatctttg cagaatcagg    60
tgactcccaa cgttcccggg atcttctagt ggtctgtgtc aggggtctgg gctggctggg    120
gttcagtgat gtctactgga ggcagcttcc atgccttctg gggtcctgag tctccatggc    180
ttgtgggggtc tgggtccccc ctggattagt ggatggccag agtggcatag acactgggct    240
cagctggaga ggcccccttc tgggatggag gaggtcagc tgccttctgt ctgaagggtta    300
aaagctgtgc agctgggcgt aggtcacatc ctgggggggtc tcagatgcag cagcctcagt    360
gtccatctgt ctgt                                     374
```

<210> 416
 <211> 356
 <212> DNA
 <213> Homo sapiens

```
<400> 416
taaatatgac agtcttggat ttatttgtaa gtgtttaaaa tgtccaatat tcagaagttg    60
tcagggtgttc ttaccacctc cccactccct caaccagtcc ctgcttccag ggtccaggag    120
aagcagtgtt caggcagagt agtctcttgc cagagcagaa caaggagtcc tgggtggccaa    180
gtggcaagta tgcaggctgg gctggctcct ggtgggactt ctctgggct tttcctccca    240
tcctcttccct tcacgtgtct ctcagccctg gcagagtttg gagctgatac cctgggtcat    300
ggccacagtc cagttcactg ggtggatgtg tccctggctt ctgtccatgc caggct       356
```

<210> 417
 <211> 445
 <212> DNA
 <213> Homo sapiens

```

<400> 417
tttttttttt gtttacttat ttatttattt tcaccaccaa cattattagc catgcctttc 60
tgctaatacga ttttagcaag tcgaggtaaa acacatgcaa cattttctgg caaaagctta 120
atgtcaacaa atatgtgatc catactgtgt gtcgtccttg ggggtttatt tgactttgtc 180
acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaaata agactaatca 240
aatagacatg gcattttaat ctcaaagtgc aaaatcatct aactgaaaat gacggcattg 300
aaaaattcca gtggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360
gaaagattta ccaggggtgt caagtttttag acactcagaa aggcaccatt ctagccatct 420
tgattggata acatggtata tactt 445

```

<210> 418

<211> 456

<212> DNA

<213> Homo sapiens

```

<400> 418
ttttgggcca cactgagtga attttaatgc aggatggaag cacacagatg ggtgatcagg 60
tctctcttta ctgaaacaca gaacatgtgc caaggtagt ccaaggacac ctctgggaac 120
aggatgaagcc cctcccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
atctgggggtc aggggcttgg acatgctgcc cttcatggga accttctggg tacctctcag 240
cacagtaacg cagctgcagt ctgtcgggtg gggcccaggc taggggcagc accctctttt 300
ggcatagcggg acatgcctgg ctgcagctga tgtccgttag cctctcctga cacgcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gagttcccg tggagcttgc tgcacagcc 420
tttcttgcca ctctggggtc agtgaagtct ttcccg 456

```

<210> 419

<211> 206

<212> DNA

<213> Homo sapiens

```

<400> 419
gctgccacca ccatgaaaga gtggccacca catctttatt gcatactcag gtgaataact 60
tattatacaa tgaacactcc tccattagga gaccatgccc acttacagaa tgcagccgta 120
aatgcggtaa atctattttac agaggttggg gtgcaagatg agagaagtat cagccccagg 180
aatttgaagt gaaaatgatc taaaa 206

```

<210> 420

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(668)

<223> n=a,t,g or c

```

<400> 420
accacctgac tcagacttct ttgtcgttgt tttatttaaa atgttattgt ctctgattag 60
aaaatacagt catgagggtc aaaaactgaa atgatgtgaa aaggcatcca ttaagcagtg 120
ttgccccacc accctttcca tcagtcttgt ctcatgggga tggggaaaat gaagacagaa 180

```

cgctttgcct	tgctttgcaa	tccctccttt	gaaggccttc	tgtcccagga	agccaatggt	240
catttgatgt	ggaagagggg	cctgtgttta	accagaagct	gtcctccctc	atccctttcc	300
catggcttac	acgcagaagg	gagaggagat	gaccagagga	gaaatcaggg	gaagaaaagg	360
caacagggga	ggcaaagggg	aaggagagga	atgcttaaaa	tatacagtga	aatttgagta	420
ggattctcta	ctcaaagact	tctctgggaa	gtgtccagaa	ttgaccacac	aggtgctgac	480
ggtagaaaga	acacagaccc	anaaccctga	tctagttgca	ttaactccat	tagccctgag	540
ttccctgtaa	aatgaagact	gtngaggacc	actagaggat	tctgtgactt	ctcaactcta	600
aaattttgga	ctggacctcg	tgcgaaatctg	gctcgaggca	aattcctatg	tggcgatnaa	660
tcgnacag						668

<210> 421

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(242)

<223> n=a,t,g or c

<400> 421						
cttacacagg	ntattttacaa	tcataaaaagc	gancagtcct	ggtaccagag	tgtgagggca	60
agaggtctgt	ccatcctccc	tctggcagtc	gggccctcgt	gtccttttgc	ctcagggacg	120
gaagcttttg	caggagctga	gttgttcaaa	ggagcctgcg	ataagagagt	tgtctagtga	180
ggaaacctcg	agatgtcagg	attggcacga	actccacggc	gctggctttg	ggggatcgct	240
gc						242

<210> 422

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(371)

<223> n=a,t,g or c

<400> 422						
tcagccaatc	acaaaaaaca	gactttattg	aagtatttag	cactaaaccc	cacacaattc	60
cagctctgta	gctgaggaca	cagccacttg	gcaatggcac	caggtgttat	acaagaccaa	120
taagttaatg	taaaggacgc	ttaggtgtgg	agggccagtg	ctcagccgtc	tcttggtca	180
gaacaaggca	ctctgggctc	cagttaggac	actgagaggc	cagggaaacc	aacatgcctt	240
ggagaaaagg	gcttagagac	aaaccggaaa	agcacagcat	ccaagcaggg	tattcacgca	300
tggggggcag	agtaggcccc	aaagttgggg	gttgccctgat	gcggtaagag	cacagttgag	360
agnaattncc	a					371

<210> 423

<211> 638

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n=a,t,g or c

```
<400> 423
tgggggtgcgc ggccctggcta ctctggctgc aggccgaggg ttgaacgttt attcatcaca      60
attaacagcc tatacaagca tctctagaac agaggctgtg ggtccaaacg ggtccctgca      120
gctccaaccc tctggcctct ccgggcactg cctcacagcc gatggagcat ggctgggcag      180
gcagacagga cacaggetca gtcacagggt gtcaggggga agctcttcta gctggaatga      240
ttggaagttg gccagcggc tggggctggg ctgtcccttc ccttcctggg aagttccacc      300
tccactgtag ttaaggccac caggatgaaa gcagggttag gtccaggga cagtagagc      360
cttgggatgc atgagggtgg ggtaaattgg cttggcagag aaatggagat tgggaagggg      420
cctgattaga atagaaactg atgatgttgg ttcagcacct gcaagatgag gaaggtgact      480
gcagcaacct tagagcttcc caaaggaagc aagtgatgcc cccatctgcc aagagggtag      540
tccttcagcc cttgcacaag agccagacca agtgtccagg aactccacag acagaagcct      600
gccgagttan gggatgtggg taagaaaatc tcccgggc      638
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<210> 424
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n=a,t,g or c

```
<400> 424
ggatttacca acacgtaggc ttttatttct tccattaca tctgtttagc cacagaaagc      60
attgggccat actcactgca gaagataaga ctctctcaga atcttattcg tttagtgcac      120
tcaattttac ttcactgtct catcacttga gagactgggt aaggcaagaa acccatttct      180
taacattttt tttattttca aacatttgaa aagcaacacc aaaacgtatg cagttaattc      240
ctcaattctt tcccttagna tagcactttt taaattacaa aaccacactt ac      292
```

<210> 425
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(346)
 <223> n=a,t,g or c

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gaaatgacca caatacaaaa ataagaggga aaaagaagca aaacagcaac cgatttctgc      180
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ttttcatgta	ggtgtgtttc	cacgtataaa	cattttgaag	cctcttataa	aattattttac	240
atcgtttgtc	atcnattttac	atctttttaag	agcaactttt	ctaacaaca	aaactataat	300
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<210> 426

<211> 469

<212> DNA

<213> Homo sapiens

<400> 426						
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<210> 427

<211> 4003

<212> DNA

<213> Homo sapiens

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<210> 428

<211> 4003

<212> DNA

<213> Homo sapiens

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<211> 419

<212> DNA

<213> Homo sapiens

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<210> 430

<211> 385

<212> DNA

<213> Homo sapiens

<400> 430						
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cagaaaaaca	tcctcagtag	tactgaatat	atctctctca	tatatctatc	tatctatcta	240
tctatatata	tatatatata	tagcttttgca	caatcagggg	gcaaggcacc	ataatgaaat	300
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<210> 431
 <211> 399
 <212> DNA
 <213> Homo sapiens

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tatctcaata tttagaagga aaaataaata ttcttagaag aaacaatatt accatcataa    180
atggaaaacc ggtaataata aaatacatac ataaatatta agatttacia tgtctattag    240
caagtcaccc taactcatct tacagaccac cagtaggaca attaccctt tgggtgacat    300
gaaaaaggct gccagggggc ttatgtccag tgcccagggt ccagcatggc aacatatttt    360
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<210> 432
 <211> 429
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(429)
 <223> n=a,t,g or c

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gtgggagcgt ataactgtgt aagtaaatgg tttcattgta aataaaaagaa ccttagaggc    180
ggacttgtgc tgtggagagt acaatggcct ggagcagnga gacagatgct agaccaggc    240
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aacaacaggg caggatcaga gggaaggatc tgtctgaggt cccaggagct cacccttcag    360
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<210> 433
 <211> 193
 <212> DNA
 <213> Homo sapiens

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<400> 433
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ctgttcaccg ttcattgtat tctataaaaat atttgataac agtcacccac tacagacatt    180
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<210> 434
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 434

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gtgctcagct	gactgtcctc	tccagaaggc	tcttctgagc	tgagcaggag	acccagggc	180
cacagccgag	ccccaaccta	gacacggctc	gagctccaac	cttggctggc	tatacttcaa	240
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<210> 435

<211> 330

<212> DNA

<213> Homo sapiens

<400> 435	gaacgctggg	gatggttcat	gcaaaagatt	actatgcaag	gagcaaaatc	taagactgct	60
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	gtagctagga	cagtgaagta	aactaatcac	tgcttgactt	ttattttcat	ctaggaaaaa	180
	taacatctga	tgtcaccaca	ttaaaatgcc	ttcctgctta	atatcagaga	aaaaaataca	240
	tggttgccagt	ttagactcag	cgcagtttat	catttgggtcc	aaatttcata	ttcaaactac	300
	aaaaaatatt	ttttaataaa	gaaaacatat				330

<210> 436

<211> 433

<212> DNA

<213> Homo sapiens

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	ggaatgctga	tgacacaggca	ctttctgcgg	ggtgttctgg	ggtgatgggt	ggagctgtcc	180
	caaggctggg	gatgaggggt	tggaggtgaa	gactgggtgt	gcaagcccg	gtgaggctgc	240
	agtggaggac	aggttggcaa	ctgctgaaaa	gatggctgtt	gaccaggatg	ttgttggcca	300
	ggtatcagtc	gttcctggat	tgcttgtggg	tctccaaggc	caacaccagg	acaaccattt	360
	ggcctcatgt	gccagtcaa	ttcccttggg	gccgaggaca	tgccataaaa	tggaacgagac	420
	tgctgcatgt	ttc					433

<210> 437

<211> 358

<212> DNA

<213> Homo sapiens

<400> 437	ttttgttttt	tttttttttt	tcacatacca	acaaaggact	ttattagtgc	aaattcattt	60
	gaatattttac	aagcatatat	gatagtgcac	ttcgatgcaa	tctaagaagg	aatacattac	120
	atgggaaact	gtcttaatat	tttcattata	ccgtgcagat	ttctagaaaa	atcaacaagc	180
	aatagtcctg	tctgaagcac	agaattttaa	ataaagttta	cctccattac	agacaagaaa	240
	acaaaaaatt	atcggcctta	taaatttttag	tatgagtact	taaattaggt	acttcacaga	300
	tttatttttca	ttaattaatg	aacgaaagta	actggtattt	ataagaaata	taacattg	358

<210> 438

<211> 249

<212> DNA

<213> Homo sapiens

<400>	438								
catggaaaat	actgtatttg	tatacacagg	aaggatagct	gcaagcccct	cacagaggaa				60
actccacccc	aaagaaaaat	cttagcagca	aattcctatc	tccttcagca	ctatcagcac				120
agcccaggcc	agaaggttgg	gcttcttgtc	tctgggaacc	catcataccc	ttcccgccaa				180
agaattctaa	ataaggcagg	aaaaaaaaat	attgtgagtc	cagtggggag	ctgggggtgcc				240
tggtcattc									249

<210> 439

<211> 322

<212> DNA

<213> Homo sapiens

<400>	439								
aatgtcctag	cttggtttgg	tcttgaaaag	attcataatc	actccaaatg	aaatgctcct				60
cccttggcc	ccaatgtgaa	gggagggtag	aaacctgagg	ctagacttct	gacacaagaa				120
gaatctgtcg	agagcacagt	ctcccagtc	ataagaagga	aggagagagg	gggatgagct				180
cgcacccttg	agaagaacct	tcatgagcca	attcccaaag	catcaactcc	gcatggatac				240
tttgcacaca	catcagccgt	gtctaattga	cacacacacg	tgcatacaca	cgtaggcaca				300
cgccgggacc	acagaccctt	at							322

<210> 440

<211> 297

<212> DNA

<213> Homo sapiens

<400>	440								
ccttcttaaa	aatattacat	gttttattat	cctgtcccca	gagggtgggt	tatccagaaa				60
ccaagaaaaa	aatcaatca	gaataaactc	aaaaaaaaaa	ggtaggggga	gcaaaaccat				120
caaccaccag	gcagccaggc	catcagccca	cctccacctc	tggaggggtc	ccagagaccc				180
acgcccgcag	cagaccgcga	ggagcatcag	caagggggccc	gggcagagaa	tcggctatgt				240
cttcattatg	agagcaggag	agacggcaga	gatatgttgc	taggtgaata	tatatatt				297

<210> 441

<211> 478

<212> DNA

<213> Homo sapiens

<400>	441								
ttttcaattt	ttaatttttt	tatttagaaa	taataaaata	agacataata	tataaaaata				60
tgtacaatcc	atggtttgtg	cagtacaata	ggaagacttt	agatacaaaa	agacagcaaa				120
tgggaaaata	ataactatca	cgattgtcaa	tggctaggat	tgttcaactt	gccagagccc				180
agagcggaaa	cccaaaatta	ccagaaaaga	gattctactt	tgctgagggt	tggggatggg				240
caggtagcta	tgccacactt	ttttttttcc	caccttaaca	ttattagaca	cagagtgaaa				300
aagaactcac	tctactttct	aggacaagct	tttgctttta	ctgagtgggt	tattataaaa				360
tatgaagtga	cattttattaa	ttgtaaggga	aatatgattt	acgggacaga	actcatcaaa				420
taaacagagt	tgagatagga	gtgtactggg	aagaaaggaa	gtaaagagaa	gaaagatg				478

<210> 442

<211> 302

<212> DNA

<213> Homo sapiens

```
<400> 442
tttttttttt tagtgcttga tattttattga aaataatgcc aatgcttttt ccaggtagta      60
ttgaggagct gggctgagtg cttgtttgtt ttgtttttta gtactatttg tccaaatgca      120
cacatctgtg ggactgctgc aattttgaaa gaaaaatgac agctgtgtaa aaccagtgca      180
taggaaaaaa gaagtgtcaa caatttggtt gccaggcaca ccgcgcccct gcagcaatct      240
ggtggggcag gggaggacac tcggagtagg tagaaaacta accaggctga acggcccctt      300
ca                                                                                   302
```

<210> 443

<211> 172

<212> DNA

<213> Homo sapiens

```
<400> 443
gaattatcaa actttatttg cttgttaaaa atgattgaat tcagcaagta cttttatgat      60
ctatctacat tgttaaaaca gcactaaaaa taaaattttt taaaatgatt atccattatt      120
tacagaaaat gtggaaaaga tggcttttta acccagaaca ttataggaaa aa                   172
```

<210> 444

<211> 267

<212> DNA

<213> Homo sapiens

```
<400> 444
tttttttttt ttttttgtaa cacagctctt taataatagt ggccatagct gtaataacaa      60
tgacaacagt aggtaacggt agtcatacca acagtagggc agtgcatttt atattacaac      120
tggtttcttg ctctagtagg cttgggggatg ggtgaagacg gacagggctg gcgcagaccc      180
tttccttctc ctctccagcc cacagtgate tgggctttta caagacagcc tgcttccatt      240
cagtagtggt ggaaagttcc ttcttggg                                               267
```

<210> 445

<211> 418

<212> DNA

<213> Homo sapiens

```
<400> 445
ttttcctaaa atatttttta ttagaaatat agcttttagta acaaataacc atttgatagt      60
tacataaaca tataacagat atgctctaca tgtgtaattt aagtacatta atatgagcat      120
tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatggttgga      180
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg      240
gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa      300
ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac      360
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattgtt      418
```

<210> 446

<211> 586

<212> DNA

<213> Homo sapiens

<400> 446

tttttttttt	tttttttttt	tttttttttt	tttttttttt	ttttttgaag	agcacaattg	60
cattttatttt	atccaatatg	cagataagtc	taagaaacta	ggaacagtct	gtatacttgg	120
gtgtatttttc	ttcttaactc	ttctttggct	aagtcagcaa	gcccattggt	actagcgtcc	180
caagcaaacc	tgtcaacgtg	aaacacgtgt	gcccagatag	aagacgggta	gtacctgaag	240
tggttccact	tcctttattt	ggggttgttt	catgaaaatg	cttggttgtc	ctggaaacag	300
gtgtactccg	tgttgcttga	gcatttggtg	tgggtggttt	tgtggtggtt	ttctgaaaag	360
ttggtgagac	ttctgtagtt	ggaacattta	ctgtggtagg	tttctgaact	gttgggtggga	420
ccttgggagt	taaagatttt	cctctgcatt	caggtggtgg	ggcaatccaa	tctccgtcat	480
cattattcac	agtacaataa	atagaggtgc	ctccaatcag	tgggaatcct	ttattacatg	540
cgaacgttaa	agactgtcaa	tatccaaaaa	ggtccagtcc	ccttga		586

<210> 447

<211> 362

<212> DNA

<213> Homo sapiens

<400> 447	tttttttttt	caagatggtg	catcacttta	ttttaattgc	atgattttatc	agaacaacta	60
	ttaacatacg	aagtaccatt	cagttcagct	gcaggtatag	gcagtgacaa	gtatctaatt	120
	cttagaagaa	tcacttactc	ccacaatctg	tcagacaca	ttagtctaag	gacaagttaa	180
	taaatagcaa	acgtgatttt	cacattgcag	tgttctcaag	aatgtatata	caagtgtgta	240
	gtcctgttga	tgggatgttt	ccccgagttc	tttctattga	tgcgttcattg	ctcttgacct	300
	tggtagagac	agttctttct	ttccacagag	cagattttct	tttgtcatcc	accatttaca	360
	at						362

<210> 448

<211> 257

<212> DNA

<213> Homo sapiens

<400> 448	tttttttttt	tttttttttt	tttttttcagc	aacctcggct	gtattttattg	atacaaggaa	60
	gatcaccgga	gagtcaggga	cgtggcggcg	aggggcccctg	gaaatctcca	gataccaaag	120
	ctggaagggc	gtggagtctt	ctccagttct	cctagtttac	agatgttgtg	acctaggctt	180
	acaatgggcc	tggggctctga	aagcgggacg	tgggctgcgg	gggtcaaaga	gccggtttgg	240
	tggaggtcag	cgccaca					257

<210> 449

<211> 454

<212> DNA

<213> Homo sapiens

<400> 449	tcacggctga	taggctttta	ttacagactg	ggggcggttaa	cggctggaca	gagaacggaa	60
	aaggaacatc	tgagaccagg	ctcaaagcta	gggggttaca	caacctccaa	taacacaagg	120
	tgagtgcagc	acttctagac	acacacacag	acacacatca	cttactcata	aacggcacag	180
	cctacggtag	aagaaaaagg	gcaaggtagg	taagggcacc	caacaccctc	ctgcctgcag	240
	ggggccacag	ggttaatgtg	ccttcctgca	cgcaggctta	agagggataa	acaaggagag	300
	ggctgccctt	ggagaaggcc	tgcggataat	agtgactgag	gcacagggtcc	atgcagggga	360
	aggaagcaca	gttcacagag	tggcaagctc	agtgccagcc	agtgcaagca	acaggcagtt	420
	ctttgatcct	ggcttagtca	cagcaaacat	ttac			454

<210> 450
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 450	tctccacaaa ccacttttat taccagtggt gtgggctggg ctgtgatgtt ggagaacctt	60
	gggggtgggg gctgcggaat gcagctgagc ctctcctggc tctgtctgct ggtctaggcc	120
	aggggtggggc tgatcaaggg cagagagctc aatcctgggg gaagagggaag agaggacaga	180
	gaggccaaac aggtctcttc cctcctcttc acccatgcc aagcattaaa taaacaaaaa	240
	gcaactcttt acagcacaaa ctacacaggg aagtccttcc tcccagccct gggcgcacag	300
	catgg	305

<210> 451
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 451	ttttgaacgt acacaagctt tattgggcaa cagcaacgag ccacgctggc aaacaatgaa	60
	agtagagtgc ctcagaaaca cgaaagatca tatgtgtgtc atcacagcat cgagaattta	120
	aatcatctgg aagtctctgc taaattaaag catactgtgc cagagctccc ctctaataca	180
	aaaacgctgt cctgggtgaaa atttgcaatg aggattacag agagagagat caaccaatga	240
	ggaaatcaca gactcttaca tgagtttaca gttaacccca ctgcaacaaa ataataaatt	300
	agccataatt tgtttttttt gcaaatacca tgccccccac ctgacccccac aaagacaaca	360
	gtcactgaca tggcccagct atattaacag ac	392

<210> 452
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 452	aaagaggcac gatctgattt atcagtttct aggaaacacc ctctgggagg aaggcaggca	60
	gcgcgcgcgg agaccttaca accgcccgtc aaccggggag gggggccggg agggcgccctc	120
	gggtctcaag gcgcggggag ggtctgcggg ccctgaaggt ccctgggtcc gagccacaag	180
	tcggggcgaga accg	194

<210> 453
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 453	tccttttttg gtctggaaca ctttaaaata gttcttaaac aatccatagc ctttctatgg	60
	ctccatggta taacataaaa gcttttaaaa tcttttttgt accaaatggc tgattctcaa	120
	gaacctttgc catactgagc tcttgccctg ctcacagctt gaatttcac tctctttcag	180
	ggatcatgatt tctgctatta gctggcctct ttgtaaatca acacctttgg gaaagatcgg	240
	aatctaagta atgacagaaa ctgtcattta gccgcgaaca agaaaatggg aatt	294

<210> 454

<211> 407

<212> DNA

<213> Homo sapiens

<400> 454
tttttttggtt gttcatttgc cattttattgt tctgcaaaga cacctcatga gcaccaggtg 60
gcgatgtcct ttcacggagc aacaccaaag acttcaaaaa cattccagtt acaaacagaa 120
caattcactt aggacattca cctgcctatc ccagaacccc caatctaata cgggggacca 180
cagagaagga aaggggtcag gggtcctttc ttgtaccagt gagccttccc ccagttttct 240
catgcacaca acagtgcaat accaagacga gtacttttga ccaagtataa aaccacagag 300
aagacaaaaa tgtacaaaaa tgggaagaga atgaaaacac aaaggcacac gcagccacaa 360
atacacaatt aaccttttag gggatgagca tctgacgagg tttgtct 407

<210> 455

<211> 174

<212> DNA

<213> Homo sapiens

<400> 455
ttttttttttt tttttttttt ttttttcacc atttgggacg tctttattat ggatccgtcc 60
actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagacac accagccttg ggggagggtt ctcc 174

<210> 456

<211> 418

<212> DNA

<213> Homo sapiens

<400> 456
ttaagacgga gtctcgctct gttgcccagg ctggagtga gtggtgtact cttggtcac 60
tgcaacctcc acctcccggg ttcaagtga tctcccgct cagcctcccg agtagctggg 120
attagaggcg tgcaccacca tgcccggcta attttgtatt tctaccagag gcggagtctc 180
tccatgtagg tcaggctggt ctcgaaatcc tgacctcagg ttatctgccc gtctccgctc 240
cccaaagtgc tgggggttaca ggcgtgacac gccatgccc gctaaaagg acattcttaa 300
ggcagaaaga agggggcagg caagggtggt ctgagcccc agatggaagt cagagtgggc 360
tgcaaaagat gcagatgggc aggcaggag acaggtaaac agacagagag acaagggtg 418

<210> 457

<211> 326

<212> DNA

<213> Homo sapiens

<400> 457
ttttcgtggt ttcgtctatt tattaaaaaa tatttgagaa caaaacctct gcctctttga 60
gtcttgctct ggcattccca gcattctctga ttctccctgg tgcccccagc tcaggaagaa 120
ggtaggtagt gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180
gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240
catgggaacg aaggaaaggg acaacattgg gaggcaaacg ttgggagact agtccagaaa 300
cttgcaattg aggatacaac agggtc 326

<210> 458
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 458
 gttagctagt atcttttatt gtcagaactt ctgtgagcca acaaacagtt ttgcatgggt 60
 gtacacaaag ggacaaggca aatttctttt ttcgtgtggg tagacttagt tggcccaagt 120
 ccttaaaact tttccatata aaaataaaaa gtccaagacc agattatttt tcttctgggc 180
 ataaatgctg atttatttac aggtgccttg ttcagaccac cattataaac ttgggataaa 240
 atatgtgtgt attaaagcct cagcatttaa tgtcagggtc ctttgaagat tcactcaagt 300
 gttaagacgt ttctggaatg cagcgtctct ccccatagtc caacatgggt attatatctg 360
 taatctatcc agaatgatag aagctaac 388

<210> 459
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 459
 tttttttttt ttttttttca cagtacaact caacacttta ttccattgtg attggtatac 60
 atgtaagatt gagacatcaa gagactaaaa atcagtgcag aacttctctg aactaaaggg 120
 ccgtgaaagg catgattggt tttggcacac agagtggata accatacatt ggctggaatg 180
 aggtgggtcag gaaaataaaa tgcacaaatc taacaccatg ttgaaatcat gtctgagttc 240
 tggagaaagt taaagtgtaa ataattacaa agactgacat gcaactctta ccttacatta 300
 ttcactctaca gactatTTTT ctcctttaga gatgaggaga tggccttagt aatctgttca 360
 gagtagctga aaagaccaat caatacacat tagaaagatc tgcttgattt c 411

<210> 460
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(206)
 <223> n=a,t,g or c

<400> 460
 aatggcatta aagttttatt agtatttgyc camatytata cagttattta cagggcatga 60
 aantggaaac agcacacaha tacacttgag gtataagyya gagcacagta tgtcatgttt 120
 caataaatat aattcaaaat ttgtaaacta ggtgaccaga tacatgagtc ttatttttrg 180
 taaaaccata taaaatattt atytca 206

<210> 461
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 461
 gtataaaaaa aattttattt actactgtaa ataaagtagt gcaaagagta gtttggaccc 60

acaatatattgc	attactgatt	tattcactac	cttagcagca	tgtagtatac	agacattctg	120
ctcttctctct	tcctctctaa	cacacacaca	cacacacaca	cacacacaca	cacatatccc	180
tgtacagact	cacgcaggca	tgaggggtag	ggatgaaact	ataagctaga	ggcttacttg	240
ctgcatattc	cgttgctgcc	agtctattct	aacgtgtaat			280

<210> 462

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(266)

<223> n=a,t,g or c

<400> 462						
aatcaaaacc	atctttatta	tttaaagagc	atcccgtcat	cagggggcacc	tagacaggag	60
tcccagacag	cagaacaata	tttacatggg	ggtcaggagg	tgagggttggg	tggtctcggg	120
gctgagtggg	cccgccactn	tggaagagag	gaccctggag	ggaggggtgtc	cttggaacctg	180
tggaccgggc	ccaagaagaa	aaacgtccca	tcctaggccc	agcgtggatc	ccaccaccgg	240
gntcacctcg	ggccctggag	gctgcg				266

<210> 463

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(263)

<223> n=a,t,g or c

<400> 463						
gacaatgtca	taggcacgt	tcacgcagag	attgagcttc	tgcataaggt	aagccacagt	60
cacagtgact	gancggctaa	tgccagccaa	gcaatgtacc	aagacaccac	agttcttgcc	120
ccgggcttca	tctatgaaag	aaatggcctc	agggaaaaac	tgggacaggt	tttggtctcca	180
gtgatccgag	atggggattt	gcttgtattt	aaactctcct	gcgttctcaa	agagattcgg	240
caaattgggg	gtgacgttca	aga				263

<210> 464

<211> 292

<212> DNA

<213> Homo sapiens

<400> 464						
tttttaaatga	aaatcgcttt	tattttatcg	cttttgtttt	gtattttttgc	aacagaaacc	60
ccctgctcca	gagtcagact	gtagctgaac	tggttcagact	ggagaatgga	gcaggctgtg	120
ggccgccacc	ccgtgggtccc	ctctcctggg	caagcgccca	cccccaggga	acaaggtcca	180
ggcaggccag	ctcactgcac	gcactggcac	caccacttag	ccatacaggt	catcatcatt	240
gtcttctgtg	tatacactgc	cactgtgccc	gacctccact	gccctgactg	gg	292

<210> 465
 <211> 353
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(353)
 <223> n=a,t,g or c

```
<400> 465
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact    60
aaatacaata attgcaaagg aagtggaaag tgttcaaaca gaaatgggtga caatgagtta    120
gaactgcagt tntttcaagg tactacacta ttatttaaaa aaaaaatcac aaanagaaaa    180
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna    240
gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc    300
accgtaatct gggcaacatc cgggggctta ctttcagctc tcggcactgt gcg          353
```

<210> 466
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(378)
 <223> n=a,t,g or c

```
<400> 466
acaatctgct tcctctaata tatecccaagt ctaaggcatt taaaattaaa cagctcttca    60
acgccccaaag ttatttcacg aggctaagaa cttctccgag aaacgcacaa gaaggcaggc    120
aaacaggtgg gtaggtgaga ggtcacgggg ctccatctgc aagctccatc tacaaggcat    180
caatctgctg tgtggcatca acgttaaaat gttctacagc ttagggatct tcttgaagca    240
aggttccaag cacaaaacta gtatgaccgg aggttccaat ttagaagatg cagcatctga    300
aaacctttac ccaggaagag gaggggtgcc tggctgggat tncatggggc tctggaacaa    360
gcattttatt caaagctg          378
```

<210> 467
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n=a,t,g or c

```
<400> 467
agcantgccc tctccccaca gtaataaaaa gcaactgtaca taatgccctg ggaagaagtt    60
agacatgaac tccaatactt caggacaagt atggttctca aagtgtgatc cagggaccaa    120
```

ccctctgagg	aagtccacga	ggtcaagcta	ttttcataat	actgctacac	agatgttatt	180
tgtccctttc	actctcattc	tctcacaagt	atactgtaga	gttttccaga	ggcttcatga	240
agtgtgtgtg	gtgacattat	tgctcccang	gctaattgtaa	tgtgtgcatg	tgtattttatt	300
ttaaaaaatgg	attcgcttta	atttcnagta	tgggtaagta	tccaaagnac	caaataataag	360
caaagcncct	tgaga					375

<210> 468

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(372)

<223> n=a,t,g or c

<400> 468						
agaacaaaaat	atatTTTTatt	ttaattatac	cagcacagta	aggcccagaa	agaccatgga	60
gttgcacaaa	gaatgttcag	caccagcaag	ataaaacaga	tactggcagt	cagtgcatac	120
ggctagcaca	caagccccctg	ccgcatttgt	atgatctgga	gcagantccc	tgaacatctt	180
catccatgtg	accctgtgca	gcactaagaa	gggtgtgtccg	ataaattgca	attacttctt	240
gggtgtgtct	gtcagcatcg	gccagctgtt	gtccagaga	tttcaattgg	tgctgcagag	300
tgtcaatcag	ctggctctgc	ctcttggtgg	ggttcccact	tgtgtagggtg	agttgggaaa	360
ggccattgag	tg					372

<210> 469

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(544)

<223> n=a,t,g or c

<400> 469						
ttaattttaa	gaaaacttct	ttattaagta	aatggacagt	tggtacacag	atattgcaaa	60
aatttcgagg	cgggtacatg	aatgactgaa	attcaggaga	cgcggggagt	tagcacagaa	120
gcactttcct	cattcagagc	tcttttggct	gcgagaaaca	gacacccaat	caaatcagct	180
tcancaaaaat	gagagaatgt	atcctgacaa	gggacgctca	cagggcctaa	aggaagagtg	240
ctgggccccct	ggaggactga	gggaagccgg	cagtccttgg	aggcggtgcc	ggctgtcttc	300
caggcgcttg	tgattcctct	ggtccttgc	ttgctatgcg	tatcttccct	ctgagcagag	360
ccattttctc	taccacattc	atgcagggtg	ccatcccccg	gaacacacac	agacaaacac	420
acacacatgg	acacagtcan	agctccagg	tttctatgtg	ttcaggtaag	gganctgcaa	480
agcctgaaca	gcctccctaa	atctagatgc	ccanctttat	cctttcagct	ccatcagang	540
atca						544

<210> 470

<211> 138

<212> DNA

<213> Homo sapiens

```
<400> 470
ttttttcatc accatagttt ttaatgaaga aacttgttta aaattgtaaa ggaaaaaatg      60
ggaatgggac ggcaaaatct tagcagcaaa gtggttaaac aaattgaaaa tattaatgca    120
caaacattaa aatattaa                                     138
```

<210> 471

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(463)

<223> n=a,t,g or c

```
<400> 471
cgttgtaatt atttattctg ttactggctg cttagtgtga catatttgat gttatttcaa      60
ttgtaataact cttcaaatg gaacactcct tttctgatat tcttagcaaa tccctctttt    120
atTTTTGCCA cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt    180
actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa    240
cctgtcagag ttactgttgc ctgcgctggc ccaaagtgca gatttttagt cagcttgtga    300
taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc    360
ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc    420
ctgggatcaa ggctgccaac cgaacctata ncccagattt ccc                        463
```

<210> 472

<211> 306

<212> DNA

<213> Homo sapiens

```
<400> 472
aactttactc ataaaatttt atttgaacaa aacaattttt gaaaatataa aaatttcata      60
agaactgctt tctgtttaga tacaaaattt attttaaaaa taaataatta tattgacctt    120
taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga    180
agagtatatc attatacatt gtcaaataaa gcgaagggtt cttatccaa atagagagaa    240
tatatatgtg attacttaat ataaagcaaa agctatttct accaaagaac agacatgcag    300
ttattg                                           306
```

<210> 473

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(447)

<223> n=a,t,g or c

<400> 473

aactttactc	ataaaat	tttgaacaa	aacaat	ganaatataa	aaatttcata	60
agaactgctt	tcctgttaga	tacaaaat	attttaaaaa	taaataatta	tattgacctt	120
taccatcact	tgtctaaatt	ttactcatgt	ttattgtgaa	gacacagagg	tgaattagaa	180
gagtatatca	ttatacattg	tcaaataaag	cgaaggtttc	cttatccaaa	tagagagaat	240
atatatgtga	ttacttaata	taaagcaaaa	gctattttcta	ccaaagaaca	gacatgcagt	300
tattgatctg	gaattggcat	cgattacaaa	ctactctngc	aattcttcct	ctccccaatt	360
aagggtgtctc	tcttgaactg	gattgaaagc	tgtttgataa	gtatactttt	ttcaagatgg	420
tgtgcnca	gtgggggcct	tttatta				447

<210> 474
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 474	gcattat	aaagatcttta	ttattaagta	actcactggg	gttgtcaaag	tatgttataa	60
	aattacacag	ataattagag	atatatgtta	catagaaatg	ctgattttac	actctcttct	120
	gagtacaagc	atttgattac	agaggctcat	agcacaacaa	aatg		164

<210> 475
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (510)
 <223> n=a,t,g or c

<400> 475	ttttttat	aaacaagttt	cttttattgt	ttccacacat	tcataataac	tatagaacag	60
	aaagattgtt	ttaatttgc	gtcctacttc	ggtagacctga	tgaatacact	ggtaacagtc	120
	cccagtttga	gtaagatcag	ttgaagccct	tactgtataa	gtccaaaatt	taagaaaaat	180
	gaatctcacg	atgagcttcc	tcaggcttcg	gccgtgcgtg	gaccagtcag	cttcggggtg	240
	tgactggagc	agggcttg	gtcttcttca	gggtcactct	gaaagggttg	tctgggcttg	300
	gtcttgctc	ccaggtttca	cgcgctgcag	gttttacatg	gctgtggtgg	atccaggctg	360
	ggattccttc	tacttcacag	cggtgggagg	gctcagaacg	acagctgggg	tctttccaca	420
	gtggacacaa	agaggtacgt	tccagttctt	gatcaaatng	atcactgggg	agaaaaggtg	480
	aactggggag	aataantaac	aggccattta				510

<210> 476
 <211> 348
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (348)
 <223> n=a,t,g or c

```

<400> 476
ncttttttaaat aattttcagaa taaagtctca tttcagtgcg gtgggctggg tgggtggggga      60
gagggttgaa agccccactt ggggtccccga ggggtccattg agccctctca ggccagctcc      120
aggaatcctg ggcttgggtc acagagcaga gttgcttgca gggtcctagt ggccatcggg      180
ctggggcagg acatcatctc tcagaggggc agaggctcag agctgggtgc agctcagcag      240
gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc      300
ccaccagggg cctnagctcc agcagctngg tggggtnagc ttagcaac      348

```

<210> 477

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(415)

<223> n=a,t,g or c

```

<400> 477
aatatcttag ttttttttat ttcccttgca ggcaatctct ttgaacagag gtttattcaa      60
tgaaggaaag gtggagggaa gaagggaaga attacaatgg ttagaaaaga gcaactaaag      120
attattttcta ttatacttct gaacggtaaa ctagcaattt taataaatat tgggggtccac      180
ttaaatctat taaagcagaa agtgtaaagc tatctccatt agtgaagaga tgaagtgaca      240
aaaaccaatc agttttttgta ggcaactgat ttaggaaaat cttgtactga aatcaacaat      300
tagacttgca catcatagga ttttcaaagt tttgctgaat tggaaaagga ntttttcccc      360
ggggattttt tncccccagag ggggtccttn ttccaatggg ggacctccgg tntgg      415

```

<210> 478

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(396)

<223> n=a,t,g or c

```

<400> 478
tttttttttt nctgccaaaa gcctttaata tgccctggnc ccaggctgtn ttcataaaaa      60
gcggaacacag cagtgccttc aacttcaatg gttcccagggt tcaagggttc tcccagcgga      120
gggtgggaggg caagccctca cacctggcac ccctgaagtg catactcctg gaggaagtcg      180
ttgagctggg acaggctgcc cgntggcgtn gtcctggaca aggctttcag agggcatntc      240
ctcgatccag ctattcgagt ccagcaggta ctgggggttt ccctcgagggt cataggtggc      300
cccatntaga cccatgatca aatattcttt cccagggttc aagcgaaggg gccaggaggt      360
tcgaaccagg nanttncgca tctgattagc agcggc      396

```

<210> 479

<211> 322

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(322)
<223> n=a,t,g or c

<400> 479
tttttttttt tttttttttt tttttttggg tggggagtag ggantttatt ttattgttct 60
gcgctctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtcccact 120
ccctaagtca tgggtcccacg ggccntttgg gatTTTTTtc caggttcaaa gtgcactgag 180
aaagcttcac agttttaata cttcctagat gctcaactga ggcaaagtga caaaatggcc 240
ctcccacccc cgcccgccac aaaantaaaa tcccaagccc ctggnagctg ctgctcagcc 300
cttatgaaaa aataatacaa ac 322

<210> 480
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n=a,t,g or c

<400> 480
accacgggac nttttttaag tttattctag ggtgagtggt tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacaggtt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgcag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggcttgggtc ttccaaccgt cggagggtag 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 481
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(207)
<223> n=a,t,g or c

<400> 481
ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60
gctctccacc acctctctc catccttggg ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cagggtgccc acatacacct tgccgctggg 180
atacacgata cagaggaga cgtctgt 207

<210> 482
<211> 391

```

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n=a,t,g or c

<400> 482
ttggtatana agttttttat ttcaaaatgc aaaatggtgg tcattgtaat aattaataat      60
aataacataa aaagcattta tccttcctcc ctagtgcaaa atggtagacg catttagata      120
attcacacag tgttggaat gtcatgacaa tgcagtgtg cacagagaga tactcaatcc      180
caaaactcctt tgggtggatgc ttgtggtagg tcagttctag atgtcagcgg tttctctgaa      240
gttaagtcca aataaaaaaac agcacgtgct cctgcactct cccagcggag tcaggctcct      300
gtgcgcgcgc cccctctggt ctctcccttc cttctcggtc tgtctctgtc tactgcgtnt      360
ccctcccact ccgctggtct cccacagttc c
                                                                                   391

```

```

<210> 483
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n=a,t,g or c

```

```

<400> 483
ttttaaagg nnaaatgtga ctattttaat tattttggtg gcagggagtt ggttttacat      60
cacccaaaaa aaaaaaaaaa gccctggttt caaattcatt ggtaataaat atgctaactt      120
tctgaatcaa aatggagagc ctctcaagaa aaagagctat gcagtcagca atgacttaaa      180
ttagtcagga tagcaggcat ctgggggttaa ggctgtttcc accattttgg tctcaccacc      240
atatacngt gggaccacag ctgtgtagca cttgtttcng tcataagtnt agcagggtctc      300
tgtagcactg tcttcatcac agatattgct ctggggtagc agtaactatc tgattatccc      360
agctccactt ctgtagggnc acatttttta cagaggtcag acaaatgggt acacaaatct      420
ggttcccaa tgggtnaggt ngggtccaga gntattctcc ccgtt
                                                                                   465

```

```

<210> 484
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(301)
<223> n=a,t,g or c

```

```

<400> 484
ggtttaatta tgggaaaaag cactaaagtt aggtaaatga ttttgtttgt catgcttctc      60
ttgacaggcc tgtgggggga gaatggaaac agagatgccc cttggcntgn agntagacac      120

```


agcttgcagt	gcacaggcag	aggctctggg	tcagtgcagg	aagcagagtc	accgccagtg	180
ccttgggatg	gggatcacag	aaggtgacct	gtggctgcat	gagccactgt	aggactctga	240
cctcagtggg	acaggatgac	acaggcagct	aggaattctg	ggcaggggca	ggtnggcatt	300
a						301

<210> 485

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(211)

<223> n=a,t,g or c

<400> 485	tttgtcaaga	gccaaagacac	aggtaatgca	cgacattgat	tgctgcattt	taccttcaaa	60
	atatttgtcc	ttattgactg	ggtctcctta	attaatgtac	acatgtcatt	agaatgcaga	120
	cggaggggac	tcaccatgaa	tatctggggt	tgattcccag	atgtgtgttg	cttctctatt	180
	gcaagcagat	tcccttgtcc	ggatttactt	c			211

<210> 486

<211> 341

<212> DNA

<213> Homo sapiens

<400> 486	tttttttttt	accccagagt	atttttatta	gggattcctg	ccaccatatt	aacatataaa	60
	acaatctgga	tggtgacata	gaaatgcaaa	tttactata	caaaggtaag	gctccaatca	120
	cagtaacatg	gcccccatat	ctctagtatt	tcaatgaaat	aaactcattg	tgaattcacc	180
	ccgagttgtg	tttataaata	ttagacaaac	cacaaaatat	attccaaata	cataacattt	240
	tacaatattt	ttcaagcaca	gacaaataca	tactttactt	tacctacatt	gttttcatga	300
	tccaacttgc	attagcacta	aaggcaatat	tgtgtgtgta	t		341

<210> 487

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(376)

<223> n=a,t,g or c

<400> 487	agctcatcag	ctatcgttag	tgtattttat	gtggcccaag	aaaattcttc	ttcaaagtgt	60
	gcccagggaa	gccaaaagtt	tggacacctg	tgatttacag	gttatgccta	gatctgaaac	120
	agatcccat	ccctcctaaa	gctcgcccac	tggttatggg	ccctgtttct	cttagaaaca	180
	ccacacacat	catttgggaa	aagcacactg	agtagaaaca	tggcctgaaa	gggtgggtggg	240
	cggtggacct	ggcttctctg	ggccagaggt	cagcggacga	tagaaatggg	ctgatcggcc	300
	acagcaaaga	cttgggaaga	ttgggccccg	ggaaggacac	attgattggg	cacagagcac	360

tgtgccggac gngggc

376

<210> 488

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(525)

<223> n=a,t,g or c

```
<400> 488
ggtttagcaa aattgttata atttctttta aataaccac agacacccat cgacacttcc      60
aaatttacag agcaaaaaag tgatttgag ctggttcctc caggaattg gccccgaagc      120
tggtcagtt caccctcagg acctcagtc ccgggaggcc gaacttggtc ttgtgcttgt      180
cgaagagctt caccagggcc tccatgtaca tgggtgtgga caggtcgatg tcttgctggg      240
ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg      300
gagtagggca ccagcccca aggtgtcgga ggaagaagag gcctcgacca tggaagatgc      360
atggggcgaa accaatgtat ttctnggaac ttcttctggg acccatcggc cccaggagcc      420
ctcctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa      480
ccaggtcagc tcccatgacg cagggccag ttttnaaaaa aagcc                        525
```

<210> 489

<211> 470

<212> DNA

<213> Homo sapiens

```
<400> 489
tggaatcag aggtgaatat ttatttaatt catatataaa ttttacataa tattcatggt      60
gctataaata taggcacatt ttttaaaagt ccagatacat caaaaaatta cccctcact      120
gtagcctact ccaatccct caagacgga tatctaagc tgttggaac acagggtcca      180
gaaaggccct gcccattaat tttaaaactt tctgaccatc aagaccattc tttcctgctt      240
caaccaagca gagtcaacaa ggatcatgtg ttttcagggt tttaattgca ctagttagtg      300
aattaagtaa atgcctctgc ctgggtagtt tgtaataggt ttatgggttt ggtttctcct      360
acttagttca agtcagagaa agaaaaacca atatctatat tcctattggc cttctttaa      420
tccctatgag atggcttaaa aggatgtcac tgcaccagag gactcacttg      470
```

<210> 490

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(553)

<223> n=a,t,g or c

```
<400> 490
agaactgnan nttttattca nacatttntc ttgattnaaa tacattacgt acanngtcta      60
```

cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcatcccag	cctccantcc	120
ctgacnctgn	gangcagggc	cgatcgggtg	gnannggnnn	ngtngttcca	tgagttcgnn	180
tcagaancct	agncccggca	ttctggggcc	ctggctcttc	cagagtccac	attcaaggca	240
acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
gagctgggtct	ggatcaagac	aatgtggaga	tctgggtgtg	aggctgtggc	aggtgangca	420
gccgggctcc	ctggtttagac	ccccaggctc	tcttttagcac	nagatgggca	ctttaccaac	480
aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncctt	tctgggctcc	540
taaaagtcaa	ggg					553

<210> 491

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(476)

<223> n=a,t,g or c

<400> 491	agtatatttca	taatttatat	tgcttaaaat	tatgatttgc	atgctaagat	gcaaacttac	60
	gtgatatctt	ctttagacat	aatgctatta	agagcacatg	ctttataaaa	taaaactggt	120
	ctcattcata	tcaggtgcag	aaagccagtc	ctgaaagcat	agactatccc	ttattctggc	180
	tgttattaag	gaaaaaattc	atttaaaaaa	tacagtaaag	attgaaacca	agtttactgt	240
	ttcttgaaca	gaataggaag	aaaatatattt	aaatggctga	gctggtcatt	agactattac	300
	tcatttatct	taaaggcaga	aacttgtcaa	cccaactacg	tgaaacagag	aagcatgatt	360
	tgcttaagca	ggcgacatta	gagttaggcc	tctccacngg	gagcttcccc	gaccgtcagc	420
	acgtggcaga	cagggatgcg	gccccatcatt	ccgcagggaa	gaaccggccg	ggccgg	476

<210> 492

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(455)

<223> n=a,t,g or c

<400> 492	ttatttcctt	agttttattaa	agatgacaat	gaactgccag	gctgcacaag	caccacagca	60
	gggtggaaacg	cagttcagag	cacggggcggc	acacacggaa	catctctact	aagactcgca	120
	ctccttttat	gttagttcaa	cgaaagctct	aaatccttgg	cagagaacgt	caaaaacagc	180
	ctcatttaag	tggaataat	ttgtcttcca	ctcttctgct	atgtcttgaa	tcttgtctcc	240
	acctggtaag	caaactatgt	tttttttctt	tccctttact	tacagaaaga	acactatcac	300
	ctgccttcat	ttagaaggaa	ttctcttcag	tgcattcaaa	gcttctcccc	ngcaacagca	360
	gggggatttt	cagatagtgg	taacttgcaa	agtgtctcca	aaacatccca	tcctctaccc	420
	actttccccc	ctcttgaat	aaataactgg	ggngg			455

<210> 493
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n=a,t,g or c

```
<400> 493
tttttttaaatt aaatttttta ttacaatgac aggaagactc tggatacaaa cacatttgct      60
aatataatca ctccactggg tacctaggcc tagacgtaca aaaggacacc catatctcat      120
caggagaaaag acaattttga gtttctgggt gtagtaccaa gtggttatga tcaccacgta      180
cgtggtctat ccagttaact gtgtggcaat ttgctatttc aagtcctctc ataacagaaa      240
ttactgaaat atgtggaaca ccagtcaata taaagaattc atttttaaac agactagtga      300
atttgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta      360
aaactatttt taggaattaa aagctttcat agttaatggg atgatattgg ctttcagaat      420
tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct      480
aacatgcgat gccgaaaaat cctaacattt ccacttagta atgtcagggg tgtgccagtt      540
ctaatttccc atagctagta acatcagaaa atatntatca      580
```

<210> 494
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n=a,t,g or c

```
<400> 494
ccgataatga ctttatttta acatatttaa ttacagacat aaaatagctn nggagggggg      60
tgagccccag cctagcccca ccatgggntc atnaggaggg gaggcgcagc ggggccccct      120
gctgaccctc tctctggggg tcttcctatg gcggggccta ttgcttgagt gggggaggag      180
ccatgcaaat gaggggggca gagaagacgg tgacacagcg gcctccgtga gccacctcgt      240
agccctcgnc cttgacttcg tggtcncgga tgatatagtc caggttgttc tcttccaaga      300
aggccttggt gacgtcaggc ccaaactgac agctcacgcc cgnttgctga ttcgagccgc      360
cgttctgttg gctgtggatc tgancaagaa caaggtcaca catggggccc tgaatcttgg      420
gggttttcga ttccgctcaa attttcgga tgtcattcan ggtganaccg gtt      473
```

<210> 495
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(411)

<223> n=a,t,g or c

```
<400> 495
tttntntgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga      60
aanctgctg tgtgccaagc ctttcccaaa aggaggatat cagtgnnnna gnaagtctca      120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga      180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt      240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc      300
canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggtnnacagg      360
ggncccgga ntnatgcnc caagtttcng ggcaaanatt tcttttttcc c              411
```

<210> 496

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(353)

<223> n=a,t,g or c

```
<400> 496
gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca      60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttataca      120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt      180
ccagggccaa agaaccaaaa taaatccaag gagagagacc aacaaatgta tatttataac      240
acagagtaat aaaacacaaa taaatgtgga gttatttaag catgtaagat ggtacatgct      300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa          353
```

<210> 497

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(253)

<223> n=a,t,g or c

```
<400> 497
atagatttca cgtttaatat gtaatggaag ctctgtaaca tgagacagat agcaagcacg      60
gactctgctc actggtcgat gatggagcgc tgcaacacct gattcatcat gtcctcttca      120
tcaacatcat aatccacaaa agtctcannn ngaaaaccgg tgccggcgct ggatgtgctc      180
tctgaagttg gcgctgcggn agttgggggt ctcccaaggg catcgcgga catatnggac      240
aanccacagn ttt                                253
```

<210> 498

<211> 412

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(412)
<223> n=a,t,g or c

<400> 498
gcctgggtctt gctcagactt tgaggagccc tcaggcgngt gtcagctgtc gctgatgggc 60
cttgtaatca aacttgtagt aggtgtgcag gatgcgcana ggntagatgc ggcagacctc 120
ctcggtagtg cccttctcct ccaggtagcg ctgcacacgc tcgatgatgg cacacacctg 180
ggcctcatcc ttcaagtgtc ccacgtactc ttgggagtga gggtcangta ttntgcatta 240
ttttggtaaa ttcttcatcc attcgttcca ccagagttag gatgcagcca cggacacgca 300
nggcttgggtc agcgttngtt gcaggttctc antctcttcc agaataattct gctccaacaa 360
aaatgtttgn ggatttggca aacagggaata nccatcagct cattggatgc ag 412

<210> 499
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n=a,t,g or c

<400> 499
cagagagcaa atcccattta ttggaatttc actgacaaca aattgagagg aaggcttccc 60
cctccctga aacatgccat cctctctgcc ctccagntcn agcacaggga taagaacccc 120
actccgcatg tccccagagg cagcactcca nnnnggtngg ggnnaggga ggggtgctct 180
acgccaggct ggggagctgg gacaggaggg aagacgtgca ccctcacctc ttggctcaat 240
ccctctcccc gggacctggt gctgccccca gtccctgggg tngctggna nanngggctc 300
atgcaacaat tgagtagaca ggaggtggca cggaaacgtg gccttgggtc cccttggcgg 360
gggcgaggag actaaagggg ccattgctgtg gccacagcgg gtccaaatgg aagtatctgc 420
agtgtacata caggagggtt ggagat 446

<210> 500
<211> 394
<212> DNA
<213> Homo sapiens

<400> 500
tacttttttt taaaagattt ttttgtaaag aagggttgta tttagaggcc agtagctaga 60
gatccaacca gtggacctct tgaagcacta ccaggcetta aggcaccatc cgaggagac 120
tgggaaaact attattcacc caagcctccg gaaatgtaat gtaccagcag gcaaaaaaca 180
gttcttcatg tagtacaaaa tgaaacgaaa caaaaacaaa aacagaaagt aaaaatgaaa 240
ccaaaacatt tcttaaatcc tagtgccata gcttttttgt ttgtttgttt tttgttgttg 300
ttttgttttg ttcataagaa agagagaaaag atactactta tccgtcagac acatgcatcc 360
tcatgtggtc gttgaactgc tccgatttgg tcaa 394

<210> 501

```

<211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(346)
 <223> n=a,t,g or c

```
<400> 501
tttttttttt tttttttttt ttaaaagact aatgtaactt cttttaattg tcattttatg      60
ctttctgcag ctgcccgccca ccctcccttc ccttggaatga ccacttttgt aggctatagg    120
ggaccaggga acaaaggctg tttgnnnnnn gggngggaca nannancccc aatcanntgn    180
nnnanannaa gctanaatta caaatnnann acaanaanta atgctgannn ctgggagagc     240
tgcanagnng ggaggcccg cctctcttctg cagggtctat ttggcagtga ccttgctctg     300
aaggcgatgg tactccttca gctgacctng gccaccccg atngaa                      346
```

<210> 502
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(234)
 <223> n=a,t,g or c

```
<400> 502
gtgattttatt tgcaatgggc acagtgatgc aaaaacaaga tattaagact ataaaatatg      60
tgactacaaa gaaccagcga aataaataca tagatattag atagtccaat aacttaagggn    120
ncccgctgcaa cgatncgagg gatccgcgcn cacnggaagt tcttcttgct gcagggcttg    180
gagagcgccg gccacgtcct agcctcggtc cgactcgtcc agcgtatggc ccgc           234
```

<210> 503
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n=a,t,g or c

```
<400> 503
tttgcaatcc tcaaaccggt tattgacagc acaaggctca acagcaggtg agcacgtgag      60
ggtgngaagc gcttgnaggc agtgtgggca ccaggcaggg gatcccggag aaagccctct    120
gccagggaaca tggtaggggc gtggcatcac cacgaaggga gcataaataa cactggcagg    180
tgggtgggca gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcgagg    240
aaatgctggg acagggtcac acggggattc ggacacgcag acacagaagg gatcatggga    300
cgcccagagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc     360
```

tgcccggtggt	ggccccctcct	ccaataactcg	ccctgggctt	tgccaggcagg	actgggcggc	420
tgagcactct	cccagcagag	ccaagcaggg	g			451

<210> 504

<211> 437

<212> DNA

<213> Homo sapiens

<400> 504						
cagtttaattt	agaaagttta	ttttgccaaag	gttgaggaca	caactgtgaca	cagactcagg	60
aagtcctgat	gacatgtggc	caagatgggt	ggggcatacc	ttgggttttat	acattttagg	120
gagacataag	acattaatca	atatatgtaa	gaagaacatt	ggttcagtg	ggagggagct	180
tccagggtcac	agataggtga	gacacaaaca	gttgcattct	tttgagtttc	tgattagcct	240
ttccaaagga	ggcaatcaga	tatgtatcta	tctcagtgag	cagagagata	actttgaata	300
gagtgggagg	tgggtttgcc	ctaagaagtt	tccttaagct	tgagttttcc	ttagtgattc	360
tggggcccca	agatattttc	ctgtcacagt	tgacatcccc	aacacagtgt	ttagggctca	420
gaaaaagata	ccctaaa					437

<210> 505

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(565)

<223> n=a,t,g or c

<400> 505						
tttttttttt	ttttttaata	aaaatcttta	tttttttatt	aaaaaagaag	tacttttgta	60
gctattttaa	taagnngggg	gtgggaatga	atgtcgagat	acgagcacct	gcatctttta	120
gtcaattgtc	agtggagtcg	gtggggtgct	aagtgttctg	aactgaagta	ggtgcactaa	180
ggttccaagc	tccttgcaag	gatctggacg	ggaggaaagc	agaggccctg	aagggaaaaa	240
agcctgcttc	ccaataactta	ttttttatta	ctgtacaaaa	agcacactct	ccctcttttt	300
gtctctccca	ccaacggcac	ccccccaccc	ccaacccaag	aggactatac	atggagtgca	360
gggacagagt	tgaccaggag	gcctttgtcc	ggcaccctgc	ccacaggctg	agctcagccc	420
caggcccttt	caggcatcta	gacactccca	tagcctggtc	angctggggc	aagggagatn	480
ccaggtcaca	catacttccc	tggaagagtt	ggacttaggg	gtaagagccg	ggtgcacggt	540
anccagnctt	gctctcattc	ccang				565

<210> 506

<211> 440

<212> DNA

<213> Homo sapiens

<400> 506						
agttataatt	actttattaa	ccttttggtc	tttcaacatt	tagatagtct	ttcttaatat	60
ttccaggaga	gtacctcatt	tttattttga	aaaccattca	gcacatttat	cttatgtaac	120
atgcagagat	attatctatc	tgtattttta	aaattttcct	gttactcatt	gatacatagt	180
acttaattac	atgttattcc	atgtacactg	aaaacaatat	aggaaatata	tacatctaag	240
acttctactt	tgtacagtct	ttcattaaat	aagaatactt	acacatacat	tttcagatat	300

ttctaccttc	ctgtatgtgt	ttggaattgt	atgtaggtag	ccactgaaag	aatttgggcc	360
ccttgggagg	atggcagtgg	aagtccatga	agtaaagagc	attctttaaa	aagcagattt	420
gattgcatac	cttttagtta					440

<210> 507
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n=a,t,g or c

<400> 507						
tttttttttt	tentcccttg	nacnataaat	ttttattggc	aggtcaggan	aagagcnggg	60
ggtaaggggc	ccttccttnc	catccctcta	cncanaagac	accctccana	gganagnaga	120
agccccagag	cctgctgcct	cagaggacct	tggaggcaga	caaattggtg	tagtgatctt	180
cctgtccctc	gagcaggctg	cggttagggtg	gcaatctcct	gctccagccg	cgacttgatg	240
tccatgagcc	gctggtactc	ctgattctgc	cgctcactat	cagctcgcac	atcgcccagc	300
tgggttcaat	accgctgata	agcgctgga	tatgcgccag	tgggctccaa	agcgcgcttc	360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa	420
tctcaag						427

<210> 508
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n=a,t,g or c

<400> 508						
tttgacaggc	tccagcgtgc	tgccatgtga	tagaagaatg	atttattaga	acaaattcca	60
tgacaaatca	tataaaataa	ccattttccg	aaagacagcc	acaagaccac	ctgagaacga	120
atgtacagtg	aaccctccga	gaagcccggc	aaacaaggac	cagttcccag	gcaaaggctg	180
ganggggagg	aacaaaggag	ctcagtgtgg	ggaggagcag	gaacttgtga	acttaaaaca	240
ttgcacagcc	actgccgagg	ggtgggaagg	agccgtggat	gaagccgtga	ccacttcatg	300
tccaggggca	ggcgggggtg	gggcaactgg	gncattgcag	ggggtgggca	gcaagccggt	360
tggaccgggt	aagccacctc	ctccattaca	gacaggcagg	ctcttggggc	cggggaccag	420
gggggggntc	acctgncaac	ccgggcccc	ct			452

<210> 509
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 509

ggccggggcgc	ggtgggtcac	gcctgtaatc	ccagcacttt	gggaggccga	ggcgggtgga	60
tcacctgagg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaaccc	cgtctctact	120
aaaaatacaa	aaattagccg	ggcgtgggtg	cgggcgcctg	taatcccagc	tactcgggag	180
gctgaggcag	gagaatcgct	tgaacccggg	aggcggaggt	tgcagtgagc	cgagatcgcg	240
ccactgcact	ccagcctggg	caacaagagc	gaaactccgt	ctcaaaaaaa	a	291

<210> 510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 510	agtttctccag	gaatctaata	tgggtgcttt	ttaagaagag	agccaccggt	ctcagctaata	60
	aatacaat	tcacaaataa	atccaaaatt	taaggtagga	ttaaaaagga	gtaaaccaat	120
	acataaaaaa	tgaaattgag	aactgattta	atactaaagt	tctgaataaa	ggtgtgcact	180
	ttatgattga	ttctatcttt	ttgcacaagt	tggatactcc	agtttcccat	cccaacatgt	240
	tgttcgcaat	gtgtgagaac	gtgatgaaag	acgatatccc	cgtttacaca	caaattcaac	300
	tgattcacct	gttctcgaat	aaagcttctg	tttggctgtc	caccttaatg	ctatgttata	360
	attttccata	atttctcggg	atattacaca	cggatgtaag	catt		404

<210> 511

<211> 425

<212> DNA

<213> Homo sapiens

<400> 511	tgggggtttt	taagggtgccg	catgttcttt	ttagtttcca	tacatcgtct	gtcccagagt	60
	gaggagaagt	tgatctcctt	cccacatcca	cgggaggctg	cgtgagggaa	gcctggctcc	120
	ccacaacttg	ctccttctcc	agccctgccc	ctctcaatta	aaacaatgct	ttcttttttc	180
	ttttcttttt	tttgagacgg	agtcttgctc	tgtcacccgg	gctggagtgc	agtggcgcca	240
	tcttggtctca	ctgcaagctc	cgcctcctgg	gttcacacca	ttctccagcc	tcagcctccc	300
	aagctgctgg	gactacaggc	gccaccacc	acgccaagct	aattttttgt	attttttttag	360
	tagagacagg	gtttcactgt	gttagccagg	atgggtctcaa	tctcccaacc	ttgtgatcca	420
	cccac						425

<210> 512

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(328)

<223> n=a,t,g or c

<400> 512	ggcatttccc	caacatttaa	tcaggaaaaa	acattccatg	aacaaagaaa	aactcatgca	60
	actaaagagg	agagaacggg	gggtctggga	ctgtcagaca	gggccagatt	cctcagagga	120
	ggcagaagac	acagagtagt	aaggcacggc	cgccttggcc	ccacagggcg	ggcactggac	180
	ggagcggggc	ctgaatgggg	cggctgaagg	agtcggagca	ggtgcagaca	acacttagga	240
	cgtttngcag	taggctcagg	aggaggagcg	ttctagggcc	cccatgccaa	ngtcaggnc	300

tggcacaagc ctgagtccag tcctccca 328

<210> 513
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(216)
 <223> n=a,t,g or c

<400> 513
 ccaagaggcg agttttattgg gggaggggct ggtcaagtca tcagtgcaca ctgcatcccc 60
 gctaagggca ggtcagtcca gtgtgtgggc cgcgggggtc acaggcatag cagnaggagg 120
 gggagtnanc tacccccacg ggncacccc nagcccagtc caggggtngg agggaggggg 180
 tgaccctctg cgaggtcctc aggcattctt ggctga 216

<210> 514
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n=a,t,g or c

<400> 514
 gtacaaaact ttgaattttt tatttgtgaa attaaaaata tggattata tatatataa 60
 ctncatncc tctataaata tagatgattt tgtgatagng ancagaataa atgtatacca 120
 aattcaaaga ccaatatcat tttagcgtat gacagacata gataaattta ggcctaagt 180
 accggcattt tgataaatc tttaaagtta aaacantaca atcaggagga ttgcttttct 240
 cctcttcttc acagagaact aaagtgaata ttttttaaag ggctttgaaa gatttacatg 300
 ggacacattt ctgtaaatcc aaaag 325

<210> 515
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(178)
 <223> n=a,t,g or c

<400> 515
 cacagataat tttaggtttt nagtagtggt cccgtcagac acaggcaagg attcaggctc 60
 ggcctcccat gcgccacct cgcccaccac actggggccg gagcagggcg gtcggctgca 120
 gccccgcta cttaaagggt gactgcagct ccttgaaggc cgnnttccgc tgcttcat 178

<210> 516

<211> 269

<212> DNA

<213> Homo sapiens

```
<400> 516
cccagggcag tggtaggggc tttatttcca tgctgggtgc ctgggaagta tgtagacggg    60
gtacgtgccg agcatcctcg tgcaaccgga gagcccgagg aggggctctg cggccgctcg    120
actcatttac cgggggacag gagaggctct tctcgtgtag tgggtgtgca gaccttatgc    180
atcacgggca tgagaagacg ttccctgct gccacctgct cttgtccacg gtgagcttgc    240
tatagaggaa gaaggagccg tcggagtcc                                     269
```

<210> 517

<211> 494

<212> DNA

<213> Homo sapiens

```
<400> 517
tttaactgag acagggtttt gctctgtctc tcaggctgaa gtacagtggc acaatcctag    60
ctcaagcagt tagaatagga tttttgaaca taattaagca caataaaata ggtaaaataa    120
aatacagtat tttccttgaa tttttatggt aagtatacat atgtatatgt gtgtgtgtat    180
atatatatat ttgtgtatgt gtgtgtgtgt ttcttctttt tagagccagg gtctcacttt    240
ctgggtccagg gtaggagacc acgcagcatg atcacggcta cccttggtcca gggtaggagg    300
tccagtagca taatcacagc tcaactgcagc cttgacttgc tgggcttgag caatcctccc    360
aggagatcaa ggctgcagta agccataatc atgcaactgt actccagcct gggcaacagg    420
gcaagaccct gtctcaaaaa aataagaaca ggccaggcac agtggcattt gaaatgaaag    480
ataatcagca aaac                                                    494
```

<210> 518

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(355)

<223> n=a,t,g or c

```
<400> 518
ggtaaagact tttaagagaa agaagtattt taaaaagtag cagtgtctctg aggctcaggg    60
tgtaggatcg ggggcacagc atggtcccgg gagggccctt gtgcacaggt ggtggcccag    120
ggcaagntgt ctgctctctg ggggacgcgc ggccggggga cgcgtcctgt gtccggccccg    180
gggctcccag cgggctccgg cggcagggac aatggcaagg ccgctcacca cttgaggaag    240
accatcccgg ccaggacggt gtagccagc accaggaaga ggaccttgag cagacggtca    300
ctcttctcct ccagctcctt ggccaggatc tccaggaagg tgatgaagag gaagg                                     355
```

<210> 519

<211> 283

<212> DNA

<213> Homo sapiens

<400> 519							
cagctggagc	gtatgacttt	attgatccag	gacatgtatt	tgcagatctg	ggtgtagaca		60
gctggatgct	gggcagagca	caggggtaaa	cacccacga	gaggatgcct	tggagggctt		120
cgtcacagac	cagggggcct	ccagagtcac	tctggcaagg	gtcctggccc	cgggccagtc		180
cagcacatat	catgttggtg	gtgaccacgc	cagggtagaa	gacctcacac	tctttagggc		240
tcaggatagt	gatgctggag	caggtcaggc	ccttgtagaa	ctt			283

<210> 520

<211> 409

<212> DNA

<213> Homo sapiens

<400> 520							
tttttttttt	tttttttttt	ttttgggttt	gatgatttta	tttctccctt	cccataacca		60
gtaaaaaaaa	aaaaaaaaat	tacaatcagg	cctggagggtg	gctcacgcct	gtgatctcag		120
cactttggga	ggctgaggtg	ggcggattgc	ttgatctcag	gagtttgaga	ccagcctgag		180
caacacagcg	agacctggtc	tcaaaattat	tatacaatca	atgcaagtac	aaagattcaa		240
tttttaaaaa	tcaccagagt	acaaagacgg	ccacagcccc	tgcccgggtt	taacttacat		300
atatacagag	tgggcggggc	aggcatggcc	acagaggtgg	tattacaaaa	tatacaaagt		360
ggtttctttc	tttacatttc	atagaagaag	cctgcctcat	ttccaaatg			409

<210> 521

<211> 545

<212> DNA

<213> Homo sapiens

<400> 521							
tccttgacag	tgtaaact	gacattgtac	tccaggccgg	gactcagggt	atcaaaagtg		60
caggagctct	gatcagcatg	gaccacttct	tccaaagaat	ttccctgctg	gccgtttgta		120
ggggttggtg	taattctata	accagtaatg	tctgggggtg	tgctcctctc	ccaggagact		180
gtgagcactc	cagtgtcagg	gtttgcctcc	agatgcaagt	ttgttggtgg	agacaatggt		240
gtcaccactt	tgtttacaat	tggcgcatct	ctttcctgtc	catctctcag	gacttggtatg		300
gtgtagacgt	attctactcc	tggagtcaag	ccggacacaa	cgatgcttcc	tgagtctgaa		360
gtcacttctc	gtgggtgectc	tcctccctgg	cttggctgta	caccagctt	aaaaccaatt		420
cttgaggacg	gcgtccatgt	gatcacaatg	gtgggtctcag	tcacctcggt	gttgtaagggt		480
ggaatagagc	tcccaggctg	cagtgtggta	gagactccag	tggctttggg	gctctcttgg		540
ttgcc							545

<210> 522

<211> 376

<212> DNA

<213> Homo sapiens

<400> 522							
ttattattca	tttatttatt	tattctgaga	cggagtctca	ctctgtcgcc	caggctgaag		60
tgcagtggcg	cgatctcagc	tactgcaac	ctctgcctct	agggccaag	cgattctcct		120
gccccagcct	ccagagcagc	tgggaccaca	gacacacacc	accacacccc	gccaatcttt		180
gcaattccag	tagagaccag	gcttcacat	attggtcagg	ccggtccgga	actcccgacc		240
tcaggggacc	caccgcctt	ggcctcccaa	agtactggga	ttacaggagt	gaaccaccac		300
accgggtctt	gcctttcttt	gacccctccc	agactggacc	atcttgctac	tctctccagt		360

cgtttttcacc ttgatt 376

<210> 523

<211> 315

<212> DNA

<213> Homo sapiens

<400> 523
aattattgag acggagcctt gcgctgtcac cgaggctgga gtgcactggc actgtcttgg 60
ctcactgcaa cctccgcctc ccgggttcaa gcgattctcc tgcctcagcc tcccaagtag 120
ctgggattac aggcatgtgc caccatgccc agctaatttt tgtattttta gtagaggtag 180
ggtttcagca tgttgccag gctggctctg aactcctgac cttgtcatcc tcccaccttg 240
gcctcccaaa gtgctgggat tacaggcgtg acgaccacgg ccggctgtta tgctcatcat 300
ggcacttaag agatg 315

<210> 524

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(449)

<223> n=a,t,g or c

<400> 524
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gggaaaatgg angncggagg gtggggncag gtncaaactg gagaggccta gagagctaga 120
gangcaagta aggnccaggg cagantcggc ttcaatggaa caacagccca gtgccctaag 180
gcccctaact cttgctggct gtttcttgac cccaagccag ggttgggagt cctctgggca 240
tccatttttn ctaaagganc tggacagagt acacacagga aaggaagctt tcaccctctt 300
gccatctggc tccaggggcc tccagtcag cattcctcct tcttcccttn attgggtggg 360
gccacatgat gggcagccag gctctgggct gttcccacta gagcaggctg caaacacagc 420
catttttcag tgaggcttga tcttcttna 449

<210> 525

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(322)

<223> n=a,t,g or c

<400> 525
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ggttccttgg gtcacctgcc caccagcct tggctctgggc tgccatgtcc ccacgggcag 120
gagagaggca caagtcacag tcaggcaagg gagcctcagc ttcctgggcg gtggctnttg 180
gggtccctcc agtnttcacc tgggaccctc ggccagggtg ggacanattc cagggaggcg 240
agggttgcag gtccagcggg ggggtgcagg ggcaacaggc tcggcggggtt ttgcagggtc 300

caaaaggagn ttctgggttg gg 322

<210> 526

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(281)

<223> n=a,t,g or c

<400> 526
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 tccacctccg ccatgacaac agacacattg acatgggtgg gtttaccgc caagcgtcga 120
 atggtnttct gtgtgaaggc cagcgnaggg cctcgtggca nccatgcagg agaaggtntc 180
 ccccttnttc cagtccctcg ntgccacg cgatgatgntg gtcacaggaa ggtgggtggg 240
 tgccctggct gggnttctcg ccgggatgcc caagttcagg t 281

<210> 527

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(402)

<223> n=a,t,g or c

<400> 527
 cgcctgagat tattttatta aaaaactcaa aggaagcaga gtgtggagcg gtatctgtcc 60
 ngcgtgacgt ctacatcgg agttggctca gacctggct gtgcatccat cagaaagtgc 120
 aaggcccagg ccatgagctg gggaggaagc ctggnaagaa accaccgctg caggtcaatg 180
 gagcctggga ctagtgacca agagttgggg cagaccagg gcactcacct gacagcttgg 240
 acccgagcac agagggacgt gcaggggtggc tcatactcat actgggaagg cagaaccatc 300
 acgatgcctc tttgggggtg tcctgaaagg ggtatgggtn tctgggggaa gagctaacia 360
 ggacccaac cccatccaag gctacccatg ctccctncca gg 402

<210> 528

<211> 441

<212> DNA

<213> Homo sapiens

<400> 528
 tatttttatt tacaacagaa ttggtggctt tattcctcca tctttaggga cacttggcat 60
 tagcagctag atggaaagtc cgcagtgaag tcaaactcat tctgccccag ccacagctcc 120
 ggaagctcat tggctcggtc caacccagg tccaccacca gcgacatcag cacttctca 180
 tccactgggt ccgaatcgat gatagcagg ctctgggcac cagcagaagg agagagtgat 240
 tctgcccctc ccgctgggc cccaaagtcc cagttttgca ggggtcctgc ctccccgggt 300
 tggcctggag tggcagcagc atccccgat actggctatt aagtttctgc agctgcatac 360

tagccagcaa gtgaggggcg ggggtgcaggt tgaaggattg ggggttttagt gggaggggtg 420
gttgtaggag agctatttgg a 441

<210> 529
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n=a,t,g or c

<400> 529
cacaggaaca attcttttat tgtacattgg agaaatagcc ctgtgtgctg gttcaaggtg 60
caacatacag aatattgaat taagaaaaga ggggaacgggg aagggaangg aaacctcttt 120
gaggtccaaa gttgncaaca aaaaatggta aaagatttcc tcacgcaaga nggcattttt 180
gcaaatacca tgcaaaacag gcagctgggtg tgccttaaga gaatccctat aaataacaga 240
aaagacactc caagcattcc tgtacgtgga ctacagagcac agagaaaaga aactaaaatg 300
ccttttggat ttcaagatat ttggcactct tgtgattaca tttttttaca gtccattaaa 360
ggggaataaa ctgacataat att 383

<210> 530
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n=a,t,g or c

<400> 530
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tccgactgcg acggcgggcg cgacagtcna ggggtgcagcg cgggccctng gggctcttgc 120
aggctgagct gacgccgcag aggtcgtgtc acgtcccacg accttgacgc cgtcggggac 180
agccggaaca nagcccgggtg aaggcgggag gtcgaagat ccctcggga agggcggccc 240
gagagatacg caggtgcagg tggccgccgg atcccagccg cacttctggc gtgagtatcc 300
ggactgcagg ggccggggac aggtcgggtgt tcgaatcttc ccagctctgg ttggcccgc 360
acctgggtta agcaggtcct cgtagcgttt ccgcaactct ccggaatctg gagtcttccg 420
gtgtgcaact ctgaatggtc ccgggaaact tgccgcggtc gcacgcgnta aagacagggt 480
gcccccat 488

<210> 531
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(435)

<223> n=a,t,g or c

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<400> 531
ttttacatga gatattcaac attttattat aaaacaggct ttctgttaga tgattttgct    60
caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag    120
gttaggggta ttaagtgcac ttccaataa ccatattttc aacttacaat agtttcaacg    180
ggaggttaacc ccatcgtaag tggaggaaca tctagtgcct ggcacacgag ccggttctca    240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctcctct    300
cactttctaa gattatTTTT gcttgctggg gggtttactg tcatttttaa ccacatctaa    360
cctaccttaa aaaagtgtat ggatgggggt gccagggtaca aagacttagc ataangaaaa    420
cgaccattta ctttg                                     435
```

<210> 532

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(366)

<223> n=a,t,g or c

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<400> 532
ttttgagagc tgatgacaga caacagcaag ctactttaca gaatctacca actgggtagg    60
aaagtcttct gagtttcttt gcagacaaga aaagttacct gttgattgtt ggccaatcaa    120
taagggaactt tcctctctgc cattaagagc aacgatgctg accacatact ctgtgcctgg    180
agtgagggttg gtgaggggtga tggaattccg agagtggggc acccgatctt ctcgagggtc    240
cccactgaag tgctcgggat gatggcggat cctgtagcca gtgatgggtg ctcgaggagc    300
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg    360
gantca                                             366
```

<210> 533

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(362)

<223> n=a,t,g or c

```
<400> 533
tttttccagc tcaacccttc tttaatgtca tccagggagg ggnccangnt tggaggggag    60
gggttgagga gcnngaggan gttatTTTT ggtggnttta ccacttttcc catgaagagg    120
ggaaacttgg tattttgttc aatcattaag aagacaaagg gtttnttgaa cttgacctcg    180
gggggggatag acatgggtat ggcctctaaa aacatggccc cagcagcttc agtccctttc    240
tcgtcgatgg tcaagcacia ccttattgca cggcttggan gagcttcagg ggtgctcctc    300
tgtgaccccg gagaggtcaa gcccattnc tgaagacctt agtgatgcc agttgaccca    360
gg                                             362
```

<210> 534
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(364)
 <223> n=a,t,g or c

<400> 534	tttttttttt	tgctttaagt	tctttattac	agttggatta	acactaccac	60
	actgaatata	ctgaattaac	tattcaaccc	tttcatccat	tcagcaaatt	120
	gccaagtatc	atgaacttac	gaagaggaga	taagagatct	gatcttttct	180
	catctccagt	ttgtcatatc	tttcccgatt	actgggattt	atccacagan	240
	gaaacataac	catccggggg	aggcantcga	tcagggggct	accaggctag	300
	ggatgttttc	ggaggggttg	gctgggtctg	cctgtggggg	attaaggccc	360
	ggga				acctttcagg	364

<210> 535
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n=a,t,g or c

<400> 535	gcccattgcat	ggaattttatt	gtgtgctact	gtttanaaaa	nactcgaata	gncnngcaca	60
	ngcataatat	ttccaactta	gncagggggac	catacagggg	gcacttttctg	gcaaacaaaa	120
	caatagntgg	ttccgctgcc	tgaagctctg	agntgtattc	cagggcatga	gggaagcagg	180
	ccaccaaaagt	aaaggggaat	accaaactac	agtggcaatc	aatacagggc	aataattgtg	240
	aaaaattagc	acatggttcc	ctttagttta	accaagcagt	tcagtaacta	tcaaaaggaa	300
	aggtttcaac	catgcag					317

<210> 536
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n=a,t,g or c

<400> 536	ttctggttgt	caatgaggat	atattattggg	gtttcatgag	tcaggggaga	agggctggat	60
	gacttgggat	ggggagagag	acccctcccc	tgggatccct	gcagctccag	ggtncctggg	120

gtnggggtag	agttgggaac	ctatgaacat	tctntagggg	ccactntctt	ctccacggtg	180
ctcccttcat	gcgtgacctg	gcancntag	cttctgtggg	acttccactg	ctcgggcgtc	240
aggctcaggt	agctgctggc	cgcgtacttn	ttgttgetct	gtttggaggg	tttgggtggtc	300
tccactcccn	ccttnacggg	gctgccatct	gccttccagg	gcactntcac	agctccccggg	360
tagaagtcac	tgatcagaca	cactagtgtg	gccttggttg	cttggagctc	ctcagaggan	420
ggcgggaaca	gagttacagt	gggga				445

<210> 537

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(385)

<223> n=a,t,g or c

<400> 537						
cagctcacaa	gacagtttta	ttgaattagt	tgcattgcagg	anaattctgt	tcttccatga	60
gcagcagagt	cgagtgttag	agtgcaggnc	cagagcgggg	agaggctggn	ggagttgggg	120
nctggagntg	gggctggtta	cttgggtgacg	tgcagantct	ctctgggggg	ctgcagctca	180
tcttgggggg	agctggactc	agatgcccc	gtangtgcaa	aagcaacatc	cacatctcac	240
tcctccccgt	gctttttgcg	gtattcctgc	agcgtttctc	cgccacggtc	tccataaatt	300
tagggttctt	cctgggagac	ttctacaggg	accgtcacag	tgatgggatc	agagtcaaag	360
agcttcacga	ccacctcagt	gacac				385

<210> 538

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(375)

<223> n=a,t,g or c

<400> 538						
tcgcagcaat	tttaattcaa	tcccacgccc	ctgtccagca	ggaaaccctt	ttatagaaaa	60
cccaaatact	catcttggag	tttctccttc	agccagggca	gcacttgaaa	gaggttgatg	120
tgaaagtctc	gggcgtgann	ggttacctgc	ttttgccgnt	tctgggtttt	gcagacatcc	180
actactcccc	agctgattac	accaacttga	atgaaacgan	ttctcttggt	aactatcaag	240
gggccgccag	antcacctnt	gcaagtnttg	gggtcagcat	agggactcac	tcctccagta	300
caaaggggaa	caggggggtga	ccacctntga	ggatgtccct	tgantttgtc	atagcctggg	360
ggcaatat	ttt gaggc					375

<210> 539

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(420)

<223> n=a,t,g or c

```
<400> 539
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gggtcccactt ctctccaatc ttgtagttca caccattgtc atggcaccat ctagatgaat     120
cacatctgaa atgaccactt ccaaagccta agcactggca caacagttta aagcctgatt     180
cagacattcg ttcccactca tctccaacgg cataatggga aactgtgtag gggtaaaagc     240
acgagtcata cgtaggttgg gttcaagcct tcgttgacag agttgcccac gggtaacaac     300
ctntttcccg aaccttatgc ctctgctggg tcttttcagg tgccctccact tatggatggt     360
gtagggtggg gcacctctgg gtnagggggc ctgtcagagg tggggcactg ggtaggaagg     420
```

<210> 540

<211> 1201

<212> DNA

<213> Homo sapiens

```
<400> 540
agtcccagct cagagccgca acctgcacag ccatgcccg gcaagaactc aggacgctga      60
atggctctca gatgctcctg gtgttgctgg tgctctcgtg gctgccgcat gggggcgccc     120
tgtctctggc cgagggcagc cgcgcaagtt tcccgggacc ctgagagttg cacaccgaag     180
actccagatt ccgagagttg cggaaacgct acgaggacct gctaaccagg ctgcggggcca     240
accagagctg ggaagattcg aacaccgacc tcgtcccggc ccctgcagtc cggatactca     300
cgccagaagt gcggttggga tccggcgggc acctgcacct gcgtatctct cgggcccggc     360
ttcccgaggg gctcccagag gcctcccggc ttcaccgggc tctgttccgg ctgtcccga     420
cggcgtcaag gtcgtgggac gtgacacgac ctctgcggcg tcagctcagc cttgcaagac     480
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tggcagaatc ttcgtccgca cggccccagc tggagttgca cttgcggccg caagccgcca     600
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gctgccgtct gcacacggtc cgcgcgtcgc tgggaagacct gggctgggac gattgggtgc     720
tgtgccacag ggaggtgcaa gtgacctagt gcatcggcgc gtgcccagac cagttccggg     780
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cagcgccctg ctgcgtgccc gccagctaca atccatggt gctcattcaa aagaccgaca     900
ccggggtgtc gctccagacc tatgatgact tgtagccaa agactgccac tgcataatgag     960
cagtcctggg ccttccactg tgcacctgcg cgggggaggc gacctcagtt gtccctgcct    1020
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aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc    1140
tgatggaact gtgtatttat ttaaaactct ggtgataaaa ataaagctgt ctgaactgtt    1200
c                                                                    1201
```

<210> 541

<211> 760

<212> DNA

<213> Homo sapiens

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<400> 541
agagccggcg ccgtcaccgc ccgcattgcc gctcccagtc ccgcgctcgg cagcacatga      60
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aatccccga	cgaggtgcta	cgcgagggcg	agttggagaa	gcgcagcgac	agcctcttcc	120
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gccccgcgc	gcgccccaa	gagctgcgct	tccactccat	cctcaagggtg	gactgcgtgg	240
agcgcacggg	caagtacgtg	tacttcacca	tcgtcaccac	cgaccacaag	gagatcgact	300
tccgctgcgc	gggcgagagc	tgctggaacg	cgcccatcgc	gctggcgctc	atcgatttcc	360
agaaccgccc	cgccctgcag	gacttttcgca	gccgccagga	acgcaccgca	cccgccgcac	420
ccgcccagga	cgccgtggct	gccgcggccg	ccgcaccctc	cgagccctcg	gagccctcca	480
ggccatcccc	gcagcccaaa	ccccgcacgc	catgagcccc	ccgcgggcca	tacgctggac	540
gagtcggacc	gaggctagga	cgtggccggc	gctctccagc	cctgcagcag	aagaacttcc	600
cgtgcgcgcg	gatcctcgct	ccgttgacg	ggcgccctaa	gttattggac	tatctaatat	660
ctatgtattt	atttcgctgg	ttctttgtag	tcacatattt	tatagtctta	atatcttggt	720
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<210> 542

<211> 1105

<212> DNA

<213> Homo sapiens

<400> 542						
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tcagaagagc	tacagaaaga	tctagaagag	gtaaagggtg	tgctggaaaa	ggctactagg	180
aaaagagtac	gtgatgccct	tacagctgaa	aaatccaaga	ttgagacaga	aatcaagaac	240
aagatgcaac	agaaatcaca	gaagaaagca	gaacttcttg	ataatgaaaa	accagctgct	300
gtggttgctc	ccattacaac	gggtatatac	gtgaaaatca	gtaattatgg	atgggatcag	360
tcagataagt	ttgtgaaaat	ctacattacc	ttaactggag	ttcatcaagt	tccactgag	420
aatgtgcagg	tgcatttcac	agagagggtc	tttgatcttt	tggtaaagaa	tctaaatggg	480
aagagttact	ccatgattgt	gaacaatctc	ttgaaaccca	tctctgtgga	aggcagttca	540
aaaaaagtca	agactgatac	agttcttata	ttgtgtagaa	agaaagtgga	aaacacaagg	600
tgggattacc	tgaccacagg	tgaaaaggag	tgcaaagaaa	aagagaagcc	ctcctatgac	660
actgaaacag	atcctagtga	gggattgatg	aatgtttctaa	agaaaattta	tgaagatgga	720
gacgatgata	tgaagcgaac	cattaataaaa	gcctgggtgg	aatcaagaga	gaagcaagcc	780
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aatactgatg	tttccagtaa	gggaatattg	gtgagctgca	tatataaatt	tgacagatag	900
ctatttacat	agccttctaa	gtaaaggcaa	tgaattctcc	atttcctact	ggaggattta	960
tttaaataaaa	atatgcttat	taaacactcc	tgcaaagatg	gttttattag	taccctggtc	1020
attttgttca	aggaagggtt	atattgcatt	ctcacgtgaa	atataaaaag	caagtcttgc	1080
ccaataaaaa	cgctacattg	tgtgt				1105

<210> 543

<211> 2497

<212> DNA

<213> Homo sapiens

<400> 543						
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tcgtgggctc	ggcgggctgc	agcgagaagc	acctgctgga	caagcccttc	tacaacgact	180
tcgagcgtgg	cgcggtggat	tcatacgacg	tgactgtgga	cgaggaactg	ggcgagatcc	240
agctggtcag	aatcgagaag	cgcaagtact	ggctgaatga	cgactggtac	ctgaagtaca	300

tcacgctgaa	gacgccccac	ggggactaca	tcgagttccc	ctgctaccgc	tggatcacccg	360
gcgatgtcga	ggttgtcctg	agggatggac	gcgcaaagtt	ggccccgagat	gaccaaattc	420
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<212> DNA

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<212> DNA

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<210> 553

<211> 914

<212> DNA

<213> Homo sapiens

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<210> 554

<211> 580

<212> DNA

<213> Homo sapiens

<220>

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<210> 555

<211> 2470

<212> DNA

<213> Homo sapiens

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<210> 556

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 557

<211> 3143

<212> DNA

<213> Homo sapiens

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<210> 558

<211> 927

<212> DNA

<213> Homo sapiens

<400> 558

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<210> 559

<211> 1594

<212> DNA

<213> Homo sapiens

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<210> 560

<211> 233

<212> DNA

<213> Homo sapiens

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gtgacttttc tcttgagttg gcacatctaa atgaacaatt cacaaatgtc attaaaaggt    180
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<210> 561

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 562

<211> 853

<212> DNA

<213> Homo sapiens

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<210> 563

<211> 1915

<212> DNA

<213> Homo sapiens

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<210> 564

<211> 8448

<212> DNA

<213> Homo sapiens

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<211> 607

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 534

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<213> Homo sapiens

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<210> 582

<211> 594

<212> DNA

<213> Homo sapiens

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<211> 527

<212> DNA

<213> Homo sapiens

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